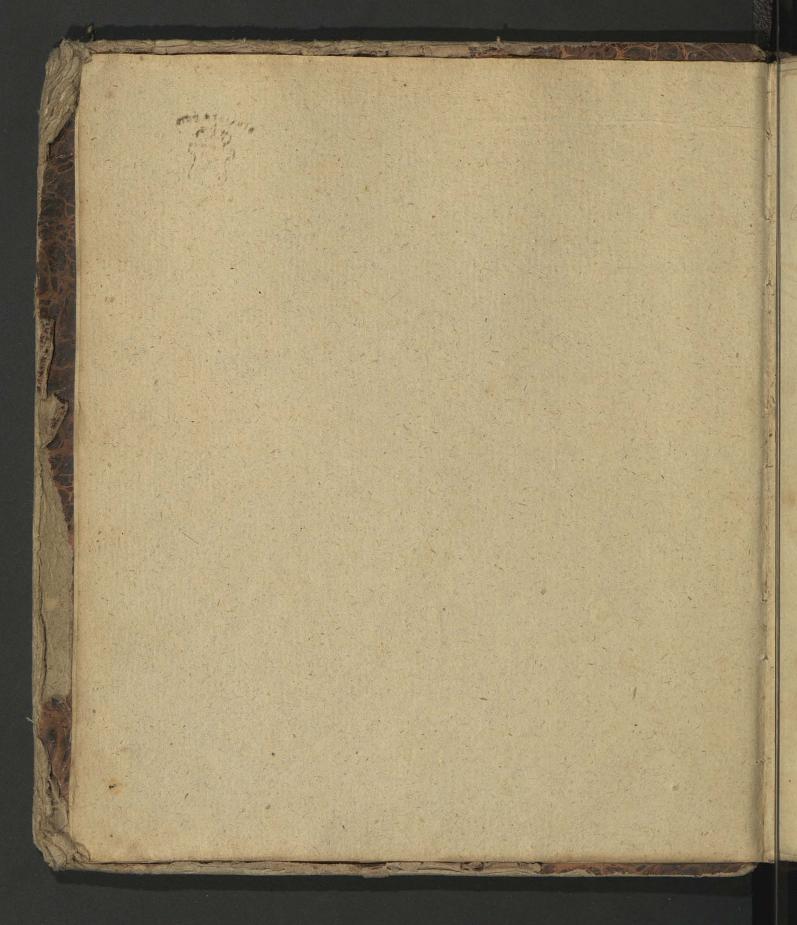


MS6002/17

1900. CL. 82. hmit Moeffune like 1., Ancelysis 2. Differential in Integral Auf 3. Euclips Geometrie



In Chino Tyslew des Mortperio dist Bre & 14 mile mallare Doil Ia+6= 6+a dennihitative ort In Doch will I (a+6)+0-(a+1)+b= (lo+a)+0-(0+a)+1 eli Riev m+1 Inmander muie no fiis on Samander gill. (1) TIL -(a-b)+b=a Date Rynufung mis Dia on tion I (a+6) 6 = a

V a-(a-6)=6 fumunden dury And dune (m+1) san fumand dury a Si summe dur m+1 Suman. In (a+b) -c - (a-c)+6 Den = (A) + a du min a+6= bta yr in (A)+a-a+(A) fin VII (a-b)+c= (a+c)-b= (c-b)+a A.f. as if ninevlai in mal  $IIII \quad a - (b+c) = (a-b) + c$ far Ordiner never du majou 1) a-(b-c)= (a-b)+c=(a+c)-6 Invento on grade very x (a-b)-c=(a-c)-b anix Labileya ordring our XI (a-b)+(a-d)= (a+c)-(b+d) mafunu Kost and. Mis John when Inf bai 2 Dunished On villymaniam Languigh Singer Wiles Duly bufat gold, delper gold Into the Theoremed, man or the for it out my 6+ m as viniffered 3, 4, 5, on So. I'm Survius dolut mun a+m= b+m yo ifs. In 5 52 anyalla Out Ins Des glaif, man nin dorton gå beggen and som alle som at 6 mille som de som of the som of the som of the sound have hostrahend ble je fire Diff whis mendom In nime a 76 indersuf Du kl. odn gogbur od (a-b) frin ind de 6 azara ad 62 6.6 dr frie di on golf merante fo gill Instill min az 6 (a-b) +6 \( (a-b) + a\) a 1/62) sufar of one Dufue Com lo mist = Jain at. a3 76 at 76 villy any 6" m -3 - 6. m.

Andarying & www who a-(b-c)=(a-b)+c ing for adrewall which haydra Milan (b-c) ind nothing Lus yo a-(b-c) +(b-c) = (a-b)+c+(b-c) won a = (a-b)+(b-c)+c = (a-b)+b=aspil a = b you is welf & bb. 2+p w btp win Zu \$68. a+m = 6+m muil (a+m)+p = (a+m)+p = (a+p)+m\_ though if will doubte Judgen mins Solfu agris sen unfuned debuis nouf de definateurs on & 66 ibming bleater undminder outp = 6+p wars m +(ayo)= = m + (b+p) Doils In Radicalion 1) N(ab) = a 2) W(ab)= Va. Yb 3). May = 1/2/ 4) Van = am 5) ya = (Va) n on Van Va. Va. Va. murl= (Va) n (b)  $\int_{-\infty}^{\infty} a = \int_{-\infty}^{\infty} a \cdot \sin \left( \sqrt{a} \right)^{m} = \sqrt{a^{m}} = a^{m} = a^{m}$ 

a. 16 = 16an.6) 11) a: \\ (an:6) 19) Ja: 6= W(a:6m) Dity var dogardmen is a = 6 for is, is a > 6 for is ma = mb a? m = 6? m m?a = m?6 Van Laganden a? b ford med nin Lindautie den njust unton Opin frother net nun 22 / mienden bit = b. n. web under sprin their mon & w & garylfradren gulflen for Lufrepila 1) (ab) ia = 6 Sunab = (ab) multipob muit drubbing is 2) a? (Va) = 6 Dri (Va) = a san sprhoeld den bafis And beny web a rift for muly In Expose to four min a gir oplan 9) \a=6 su 6 = a nought De definition. And das Radicant a harlaft vint 6 mil Inge Exponenters Jel- 1/6x) = 6 4) (ab)? p= a?p+ b?p om (ap+ b?p) pa?p. pb?p a.b Jan solver for majo drafallan sind lesi dan fart bren for ruing one In Experience suflan Dan Enpower It Ono Justes ugalen

i) 29 p= a2p-62p Inter a? p-b. p = pa & p = of 6) (ab) ?p= 6.(a?p) Jum pb. (a2/p) = (pa2/p) = a6 y) ( (a)? p = (a?p):6 Din (a? p): b) = 6/p a? p = N/a 8) a?c = (a?b)(6?c) Nuis c(a?6).(b?c) = (cb?c) a:b = a?b = a 9) a?c = a?b sun 6 0?c = \ /6?c = (1/6) a:c a!c a 10) a?c = 6?c hu ca?6 a?6 a?6 a?6 a?6 11)  $\alpha$ ?  $\gamma'_{0} = d \cdot (\alpha^{2}c) \sin(\gamma'_{0}) d \cdot (\alpha^{2}c) \alpha^{2}c \alpha^$ 

14) a?? = d: (c?a) = var yarfungafunda 15) a?(c) = (a?c): d Na (c) a?c (s) a?c a?c = a 16) ( ) a)? c = a? d Dut ca?c:d 19) ab? ac = 6:0 du (ac) = (Vac) = ab 19) ab? ab = a? c du (ab) a? a? (a? a) b = ab 19.) Va? Va = c: b dan (a) 6 = Vac) = Va 20) Va? VE = 82 Dan (C) = (a) = 4 21) (ab) ? Va = bd Snit Va) bd = ab. 22) d. (a?c) = d: (c?a) Jan d: (c?a) = a? W/c utyo (Vc) d. a?c = ca?c = a 24) a 24.) a c?d 210 /a hit mill a c?d / 2/2 / 2/2 / 0 = /a mail / 2 = /d = a 23) ac?d = 2?a hu (1?a) c?d e!d In (ac?d) ??a d c?d=c 24/a?d = d?ga Jui (a?d) = 28) ac?d = ca?d sur (a= ca?d mil(e) = (a?d)(a?0)= pa?c=a) 26.)  $\sqrt[3]{a} = \sqrt[4]{c}$  dui  $\sqrt[3]{a}$   $\sqrt[3]{c}$   $a \frac{d!c}{d!a} = a^{?}c = kuink num forment <math>\sqrt[3]{a}$   $\sqrt[3]{a}$   $\sqrt[4]{a}$   $\sqrt$  andarias and in dellan diarfan famelin Ravin Evidence min mous zu ifind syntauture onland moredow hind villeninghould him Total Smoot ynynban min huen egif when annyme dever at for might in mightight monour min sprinkom follow, g. of sin evidence Langich is fluccashed : a don dansfalline lastis por averable for drudent autum mis lag a - a log a = 2 your a = po c = pox orly or a log c = clos a mornoudall ship ji way in A = ch Som in alogal aloga lip many Ohm  $a^{c?d} = c^{a?d}$  in  $a = d^{a?d}$ c= d c? d / 20  $\alpha^{c?d} = (d \alpha^{?d})^{c?d} = (d \alpha^{?d})^{c?d} = \alpha^{c?d}$   $c^{a?d} = (d \alpha^{?d})^{a?d} = (d \alpha^{?d})^{c?d} = \alpha^{c?d}$ Auf moine in evidenter Luming luis nommer grunden. nulmiellalu unfmlig: mating a ?d grangaben ind ab foll in vandron Paber: gur mondald sharing for inf a = d a?d velofo a c?d = (d a?d) c?d = (d c?d) a?d = a?d milfin inda acid = caid Lagord muist mow bai Ohm muchapran

Il Capitel Collynumin Summers to Sifferengers S 67. 1). N. f. mun if g. w forba (a-(b-c))+(b-c)=((a-b)+c)+(b-c)fo frud den ling den duit drinder sylnif roper meil spir in suine Out driet alkragafait, a = (a-6)+(6-c)+c) = (a-6)+6= a \$ 68 ig a = 6 No is a - m = 6-m dan might of win bruit go on go ment definition dur villa al: up fin apil dright of wind be wirt, a+p u to our are brying adort for your montan self a weed to adort, at put 04. (a-m) + p = (6-m) + p idni hour grand ballow out inknown for a muliful aday of palace out inknown for a muliful aday of para out inknown for a muliful aday of para or me (a-m) + m = (6-m)+m maliful alue of Bigst. Man week bis ho m+a = m+b mar Julyan D (m-a)+/0 = (m-b)+/0 odno worf zweek Quilder gam drutter Quilder. Ovige i)m-a = m-6 date naflan Immid weefdar definitions anfoundhim, mill a = b intering 3) (m-a)+(a+6) = (m-6)+(a+6) who blinds former at p = 6+p (m-a)+a)+b= (m-b)+b+a www In m+a+p=16+b+p = y offour olly m-a = m-6 our p+ b = m+a our p+ b = p+a a+b+p gi known adir o ynot (m-a)+a+b+p=(n-b)+a+b+p mbb Odline der die Gl: 1 velles formel ist of not der m+6+p = m+a+p viel den Gl 2 ind 3 min allegarmaine. Boper most bryde anime in den swood nier orbar, aft if in mines solfan Glefus folden and bulders. Joinela Dir sur fir speulle doilla ryvellan John banjughu in forbled of fir very velly: vallar?

your din Lufoundling ourgrands out mit find Selinidion synfirmed - of mine order bustar Wills ving july synthan, him dring drings They glolyne langue Collain du Congland out methode of ming wrifers, of my du Simil. out Enfortforly fine upon the file a fait fine buminate und nun din aperellen formeln dresh mentle dan un Tinn dar mentle deletter ageniffind our oursenelle und for den Gjulkright uit Dav speriellen formeln veril soil vella and venta. For munget forger: Survey Tinger formely sins took nothing in must a = b ad b = to for a = c. for humpson no waif drayan in Jan a Jan villag affaiffurd tenmarque infla=6 fo infla:m= b:m, dut moure aim suft yluis 6:m for miero (a:m) - (b:m) = A sel. retires deferency apaper Zveffre mulfini (a:m)m - formon = mx of wordon Septimition av Dof aprile: a -6 = m & odar 0 = m & die um on mile o spine sowed for mings of of your July (aim) toim) = o dorfer aim = b:m. frigo Lucan m: a = m: b and mown ma = mil for more mindred (m:a)-(m:b)= x voyar 6 (m:a)a -a(m:b)b=abx wow bm - am = abx or win a=b frigt am=bm velyo 0 = ab & dor min din diveforena no be nich a fain diredny for mingtout & fusin def. a: m = 6: m mindan

III Capilel other Summer Lin velegade Summe up 3. 2. 5-3-2 my in Out niw Din Charlined (5-3)-2 Dorbai Dubas ofin ig nines yam: Summe your it = (+5)+(-3)+(-2) mil 4a=a ut a+(-b)= a-b. Su min +5)+(-3)+(-2) = (+5)+(-2)+(-3)=(-1)+(-3)+(+5) it for much 5-3-2 = 5-2-3 = -2-3+5 misson multiplish opining (6-3)-2 = (5-2)-3-(0-2)+51. (5-3)-2 = (5-2)-3 = (-2-3)+5 at duit Doct (5-3)-a mist of nif is 5- (3-2) shift Judne arm. Dumweif ig (\$100) (a-b=c+d)m= (+a)+(-b)+(-c)+(+d)m= = m(+a)+m(-b)+on(-c)+m(+d)= = (+ma)+(-mb)+(-mc)+(+md)= ma-mb-mc+mo Lug Buller syll gam dierdiren. 1.) (a+b-c)+(d-h+f) = a+b+c+d-h+f. Jui (a+6-c)+(d-1+1)=[+a)+(+b)+(-c)]+(+2)+(-1)+(+f)= =(+a)+(+b)+(-c)+(+d)+(-1)+(+f)=2 (a+b-c) - (d-1 + √) = (4 α) + (+b) + (-c) - (4d) + (-1) + (+√) = = 7+0)4(+0)a(-c) - (+d)-(-h)-(+1)= = a+b+c-d+h-f.

II) (a+6-c).(a-6) = aa +ab -ac -ab-bb+ba II a+6+c = h+ a+6+c-h(m+n+p) In A= [4a) +(+b) +(-c) . [4a) +(-b) = = (+a)(+a)+(+b)(+a)+(-c)(+a)+(+a)(-b)+(+b)(-c)+(-c)(+a) = aa + ba + ca - ba - bb + bc. that I share for. Cap IV 5 118. mmi = din villy: Al: howarded for in & ving 1) a+m = b+m dru (a+m)p = (b+m)p girls alre win ap md bp will In It mine Quittruck your a grand if our cy t mp id bp t mp 2 m-a = m-b Now (m-a) p = (m-b) p garled mp-ap = mp-bp 3) am = 6m su (amp = (bm) p = (ap) m = (bp) m 4) a:m = b:m dui (a:m).inf=(b:m)mp ymbs s) mia=m:b dui (m:a) abs = (m:b) alsp ging m ( bp) = m (ap)

\$ 186. vous a = a wifully, muil a = a (049)-(0+1)  $= a^{n} \cdot a \cdot a = a$ drista = 1 wifnell mil a = ap-p = at = 1 Jours 19= 1 man 9= m-n arfalls drin 1 = 1 = 1 = 1 Drugs a = m m m m= p-q nofalls.  $\int_{a}^{b} a^{m} = a^{0} - (p-q) = \frac{a^{0}}{a^{p-q}} = \frac{1}{a^{p-q}} = \frac{1}{a^{n}}$ Clarkly more Kour dan Toll mile Jo burgaisfan des annil on - p-q velt: Dona a-m = a-p+9 = a9-p = a shu der m = p-q d.f. winne stat oruger Eviffen, you for 9-10 khim warn. 

(-a)(-b)(-c) ... = + abc ; in fuctores mis dane Judy det ople men den Bugorft den fartoren groeden - orben monnen den singroude ist mir fled noun Bog Par janut grifan. Sommer (-a) = (-1) na myni m nina (-a) p-9 mind -a nd (-1) na = -1 a men - a = (-1. a) = -1. a = no -a9= (-1.a)9=-19.a9 July July mil mognet for fullif -a = -1. a = (-1). a Canunit In formel is dat (-a)(-b)(-c)]. - = (-i.b)(-1.a)(-1.c). = For Fin Fording des mulicipe bulinte in = (-1) "-alic ...

I Capital Ann In Muliforifu John fumme unden deffering gri duifm Mallana Evidenta Luguita Now full (a+ 6) Dury m Spulbour frie fo date din Summe vous It munich develof, mais mist a + to min your gull ognhair min aften discort findalf midnight a + b - ay + b der min mugalin a factor fall. a wid b dung Aprellows of ind for yokan fin in w four at vine our J. a De in singe graffind deefor wait of from Summe 2) Full ab dury on Spulhour Juin, main Alger dreet of radielled must Swedist mais more much boury on Mulhour and of must al mun factor dwedist, if religions factor Spill: To Ey buil your gull gran sein in ab = 6 a sofo west Prod: Aprillous. hund gryn golf derif gryn gruft drafar verif Int broad win gryn gruft.

3) dan full m durif & Mulhour frie is meints , bely out 2) mail m= 1.m mid lighter m wien gry gull yallan morb. vinf in. 4) Ani m = 1 mid der 1 duch klurigen Trevers ind for if moultys, in art 6 in drub offrelylough 5) In a dunta thulbow, Inte don b duny a Unillow is for is nown your golf of for of xa=6 on larmans a dunil b Aprilbour is of ins a wind always a shouthour your a int circle while · Rough you b orly our Joel ginli hough you a go mi about \* and a = y of inf & Sat Mathough you

14 de f. xa when cid wirth ann guyn Mainsmus Aprilar open Z open Greffice spir so is A. I ruif egyn cirl will be for is greff million omif c: a min yough greff or wiff a start should be in the green greet with a spirit will a spirit of a spirit of the start of t fino 6 million is flis farmer a durif & it alife the out of a dut (2 fout ) hour du = = a.c = a self muno gran = a.b = 7 vinf num 33 gr Marines Aut Joll bounfa failbow frie X's ways Jun if & But Aprilipants ( 6) a win go good Augenif Juin of. you of foigh a small to xwelgeriskar vela was = val Allerinar well to mulfin fing å darf & spullour drugner a: Godn 6 Dut definis goil a be in mine grønn goll velning Y) ist musklif dar & Roll ( mul condit our big dob Mules. 8) igt ulean of day 5th Lord.

our big dob Mules. 9) ivograld inf munichallour verst

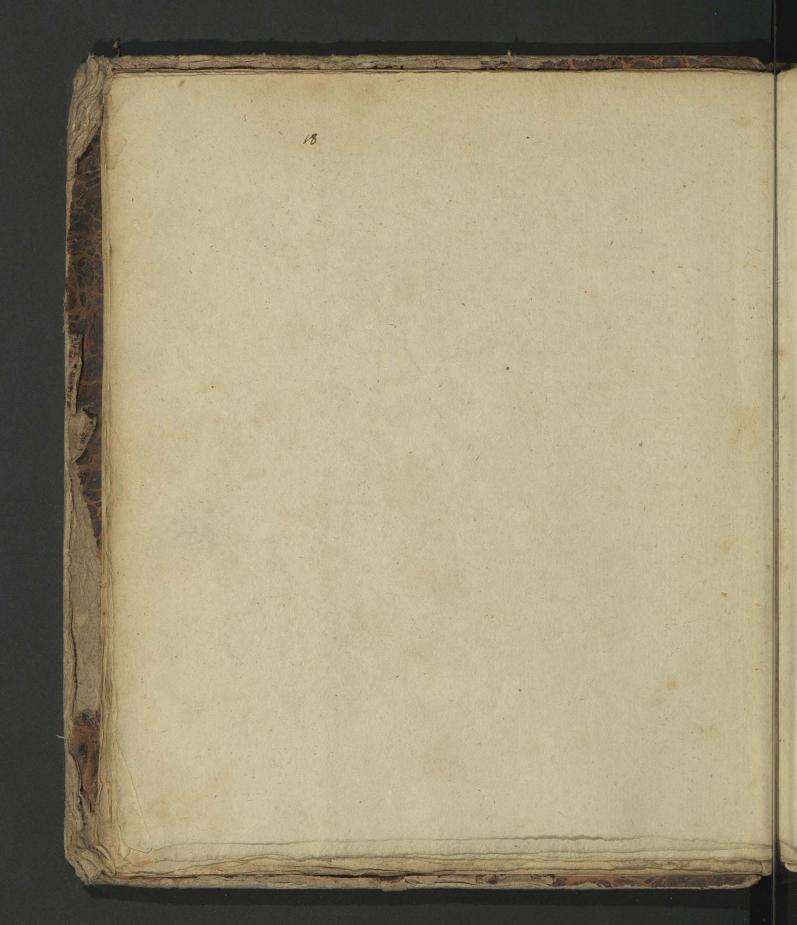
our m, n, p, cet with 9) (avapable inf munichallour verst

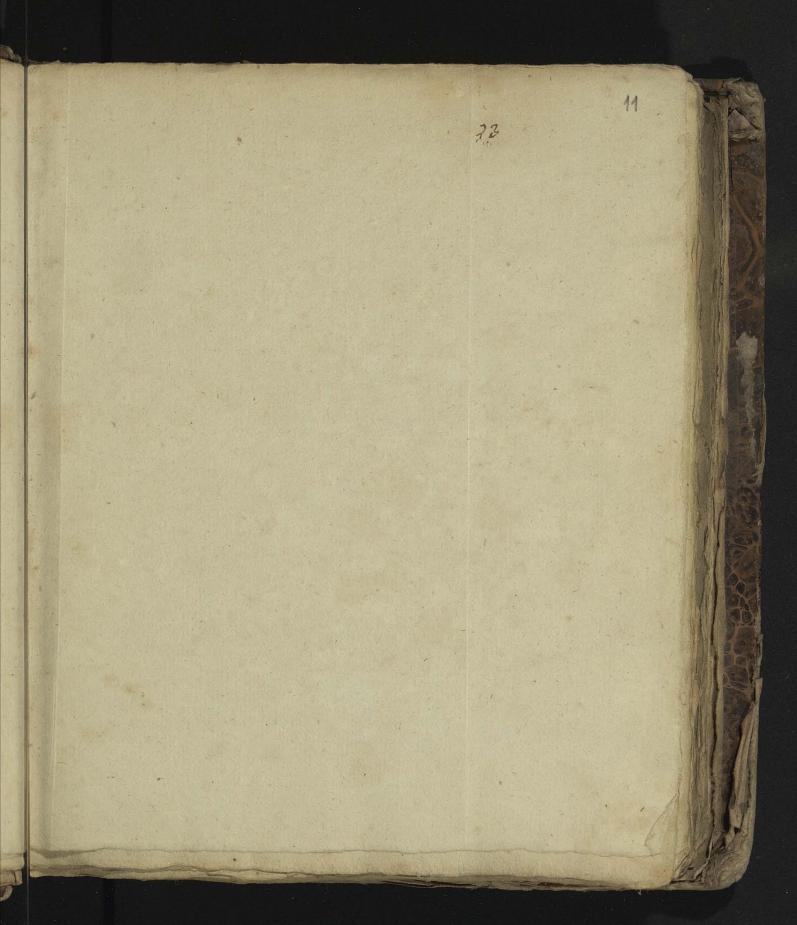
on in in is fried aportsfough 9 (2) and 4.) apripacies min. gon of

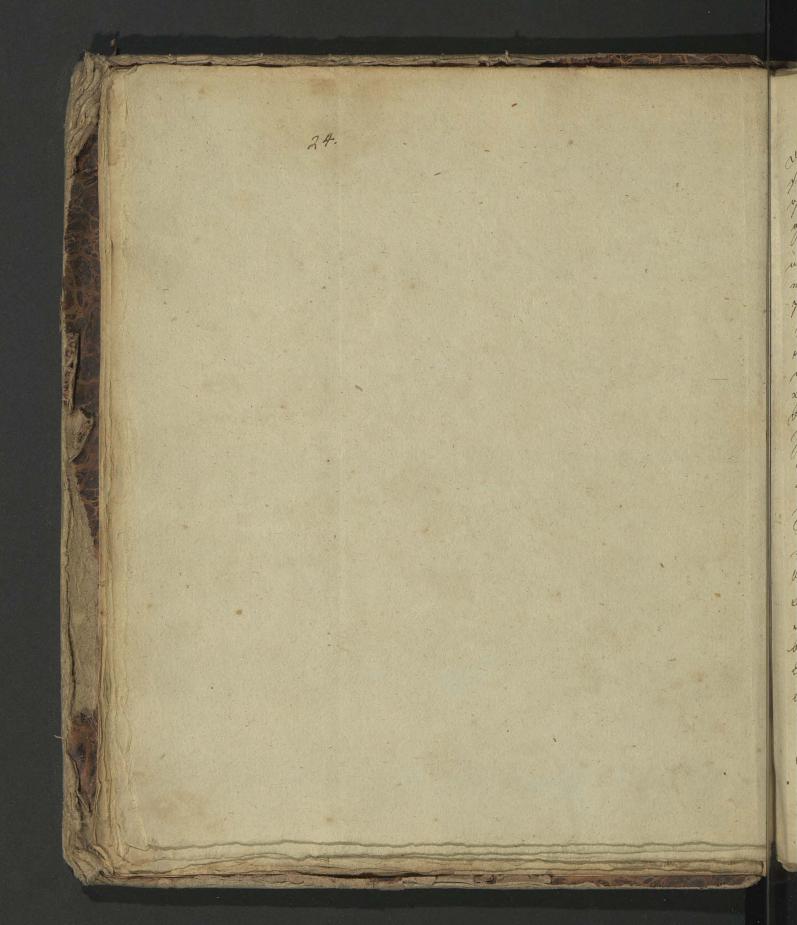
oreun buin norf yn Julyne It ap ± 6/2 arund om Aprilliour igt mount and be dung om aprilliour friend muly of fait mit \$ 138. 1) igo m aproved greff & f = 22. To ist. 201 (xit) 2 velys verif nine aproved zuff is on ungwood guff och x2 ±1 m/m in/2 2n = 2(x2±1) min ywww. 3) d. l. 2n+1 How min min one Jul anhan wind on nine apres muil 2n+1 = 2n + 2m = 1 is my Joy? must o mil dort downst at must find in im min gryn gull who am + In win min gry Zuft. Min much 2n+1 = 2n+1 . 2 is nu m anto avin gry guft for bluth ofis oney more never for med a mulliply. Toward tongrish. 27242 24242 11 +1 1/9×5000.1.

6) 2n +2m = (12 +m) 2 = x2 2n. 2m= (n.m2) 2 = 12. 4) (2n+1)+ (2n+1) = 2n+2m+2 = (n+m) 8 +2 = 32+2 = (x+1)2 = 22 for in advisen multiple to make of the wind of the sure of the sur (2n+1)-(2m+1)= 2n-2m=(n-m)2=y2 (2n+1)(2m+1) = (2n+1)2m + 2m+1 =(anm+m)2+2m+1 = (2nm+m+m)2+1 In don't universely syrvada murel your june mind sprod other word myseveds, 5) 2n ± (2m+1) = 2n ± 2m ± 1 = = (n±:2n)2 ±1 = 22 ±1 ochan 2n. (2m+1) = 2m.2n+2n= (m:2n+m)2= 22

Lordent mind ab dys bai hold s'ibro. 1. for monn m= m-2 m-(n+1) = (m-n)-3 = (m-n-2)-1 = a-1Int ground sent yours and det grade ding Gjirl mindes growth gmomeno







Duraf dan Engrift das Lifering Ablances soughbare spre forgleing den dendrichtigen how a', a', a'n offen orllan granishale at informer must gir gni; opne omla more mid Poderyer virbueded, Tob orly dru downala das Colenzen Das Zorflan und dies Seffeneng Roberger for galdand, Link mundt for frugue man house in Innformely spile okenen savett om (2-b) swett of (y-d)
spile. In der wograbt für den Denditack
der almissing nu adar formeln. Alts should lokeren
unist if Opeobarten swangen sulaw. Look if winne deference few de to day up de bellegamenics for Dis ar fully aliference yought Touth to as ar mulminder unt Just wind diffigure down if we mine gull of an Marin Diffigure down if we mine gulleroufaun Joeff. Die and mondow post add his war filed: your low Do its win & execulle downing yould do mis um di Boenggoffun Koluz, ind diff unifigue Ralls forbair, of in in more nort and Eugent flie gravafina Gaponenhen yman villed mings men due lingwift glis am Son mi m = \ \frac{\alpha-1}{\gamma-2}, Som mund spolether daysaift our arleymenmenter mail & f Willer & formen In Juff murfory 38. Ochami Du Jolefu Podenger in analysis mayered gut belind for hayningun mir und und on Diff: Valengen

Wir militan Commandring of weing of praddy youflaw, were mint orly mugalin graffine you anounders with reference, very drawan Din giftnen 120,4,5,6,7,8,9. me if day I de Lumme 141, dans 3 de Jumme 241 ch bay. An Huf In griff 9 - pelug 9+1 wit drest Cagning uf lund & South min Jour out & potenties jur 2, 3, 4, al put: und orfulle 23 2379 Or thou if beldow 624 + 443 + 423 + 32 + 8. God if does airpent mysfull, own fill us Afraid were du Rivy mayor 64738 Inthus with orbert Ireliai out obarra, and hanning is well balinbujus Maign. yo South more for meto 409, 42+02+9 with 47 + 9. In 10= 12+0=7 if bow more frott & kundhing 10 Julan Vin nun 408 gi 243 gradiren mend du Vurpone 758+243, and In murden dre auguline Zach well buganisans but adord to wy into sight very In Juby. no moltoply: Pros Jul Frankmen auchahouth for Jaugh denfor Tool frago A = X + A - 100X in multiply wind lington rarland und. Is by with in ogli identify, and wen quolient don in win Jamine moromondell Surranden wyner mort wind a of my.

Sunk Jung rif -6 min father greff water in daysfill mul, de le vellat fam Kout of Rose oney at vibar thin hegaling In negut: Zvill Expolle mul ub min glad is ros our oful adjolut min wit I Zanfan yar. Inform. In Sulde Juff fuch duck Gland villeyn's min der min de full gull our megadine browntal yo mind wins Lufara Dis negutiven Ifler whoing. Tour ab winds U/2 muil - (-3) = +0 yelgs Niver - (-3) Emin profret. your adord we just, 1 % mingle mail 5+3=10-2, 10-2 nina hemme frie de Farming ni Cazinfun Jul wiff ving din South in huy Journal ving to form. a) to man and mun abjol graff = ryo, Dollar Kournen Judit July overfu maron, man a mb orlegamin find

That it winfing of rendurality I'm greft den mid din benganingen symid, in dus ymake Sumand with quat: dans muda in win Summe manyoundult mar Sur vin Andwerfunn zuelt kuis kuis Knie Fail ann spin -3 und (-3)
ywar Doell Anin, mail mir mir Wenkn. velar knien negatige
winden Verfenn zin tfine polan rouf du negat: zuelt in Doelle umfar Garatin putidumbase guls: Zoeften while der villa: Direction who knows If neng qualientent, In Burun Juflaffereng June duktoristan formeln das Bur kunten Vin den kolonistan formeln das Bur kunten Vin den kolonistan formeln das Bur kunten Vin den alberieft for your with directed to it, and Sam Groundy hnymme form zuha, drum der Du Los vrug un gum der velle nie grochent, is grafen with der adoktiven zorfun. flux po sporie oren youffaillafra um brancal . Otis Brugula Safur In Cakens gray willen % mer der tar male. Jef druten mins mine abfolute Joseff don Julle milus light a'=aad 6? = bb p is on nil a b aa y ab, us ab yob dorfer ving an y 66.

Ani a = a a a w 6=6.6 form to is a 3 > 6 in f. Sruge Bulga benine a > 6 ud absolute guilt fuhave. The It shaft of your Just alayb. Www a2.676.6 fauf uf melas Va, min a um gryn ada older a.a. 76% wow Jule war ving nun yna ynbronform alle a3 > 63 zorll bordouhal, nur gorff you whose undverfun din min mom fin mid m umas grynn aboli: Juft, pokenzirt, a ming dningadt filt den Grungal Z fo igt a = 2m frankfarfp ningativ frage fold din Rolenz mus niun zuell? Troboild a >6 fins veuf a? pb? ouly am >6 m Johneld a wh absolute augu He. spirt, velsjo girni naraffruðum Johnston ingur naraffraðum Rolengin Julus Some win Johns wift a morphous Hugaleffelin win solf Mangel! Bif danten mis din gorfen Lolyned, and polergine juda Rolf mit m. Durwiner Rnife grann To low Rivela winger & Syw Sont ymni Jolefa verist newwichen Roleyned, Polary will forbate Ration. min Din Ormingsluf allnin Jord murd fing vin folynulan daisyrals vin duckling. gran Grigned.

He 5 100 10000 of mefore if min in 36, 3 to 300 3000 for unform inf mill in bulleting when I so suffer min for mill in hulling min for grantfund on the grantfund of mill of million of something of the grantfund of the suffer of the suffer of the grantfund of the suffer of t Now to St manwood in Houth if I'm nouf I wiff Lolyneda Lorff originalini mind In for your war awif blus mind month is four spreadach your spreadach mou Sofiel new den zorfene an foldere Ortherightend der aufubt wien neu neun is Poterton nieu Buli yn Anifa neu zorfene Bilekee

Ta ig in des Gurmin kuis Vendangligten gurffer oralionalen hud wrakionalen. In in Bracis schul ink min brulevy find. Die haargil zighend war, die medionale kous in wieß weil offmulan, mind die duborie de mit wiring. In applier outo and mandents good river mis with mind stort any marken knywingur ming town Dre det julo habour hun o amoyaun france reell In must muly hufun dimen umaginer, muit mil in Aymolas. Tion je walnu igt Truder Lagra of or theofis to Industry win Jull drin main never dru Busis p his Das Juff & poken mid a provid hound of pollega) = a und stronginent if In-fulled sury In gury for low sill. To very das gry: zous four Log: and Radreation Ollien der viert lagla = 2 folyt sto a = p2

und 2 villet mid luft fans Roun vilde viert

mire and deut del dengering fittient, for mit

mire and deut del dengering grundlif kanner

und draf grubt deut Majur der analysis. vin mufdriggen drughgerlen igt min ern galf folys. I'm In haploundsprit In algebra vieil. morell word but formy mout gorffmulafore den briefgods if In. fulu oglifis igs. gome gav fifndana buiks rete Is din welyn dar operation mult in Din world werliff it more yadan Buffy mind ville din its muis if

most at mill. In gelfing nower drugherban blniby. Mind stur men Draft din Al. mesaufting, for rist for is burforings me mufly mail in m with min of Endre Song ihr Lifeldow mil bulling art forban 3. S. a-(a-t)= 6 is druping muit gri bugin (a-6) avril windelast yribs forth of orher a - Z = le of ish den gl: inswifting mail, shorth & never millarbelafat splgan Row int inemplings Quepillorla divinare. for anlight olefo dre buiglyorde. Har if anin Glope Brown mo many Land um Questivet vely: in, med den mit sendam ningbylaufnigan union, sout florigan ment might mem that muin only Quildrink formis In Inflitings. glarfity you wentiffice mounds. In hims his Joentiffen lyl: vin mufarynn fried, for murden Du Sol wer Down conflor mine own fif under mune vely. Ouil: dub dantel much den Ceft your plendhad boungs. It wriginds for you falled As more unfravancely Out. In Lung sundmirfun Roter und fo andfular Of. you minfo: Vuchol. din Gl. you miss but: workfurene in fuly for, - ax + 6 = 0 ad2+6x+c=0 ax + 6x n-1+ cx - + px + 9 = 0

formed in ale nun for howmen for fren fin algebraight forlene fin oudeve form post franscendent und for nevitoils algebra in 2 Halls wo fist in windneys and folgen won analysis Mond Din umpoufun light verbordings him monwhan winfryulkings. 1 / cex + 6 = 0 Justus olly laif on jof algebra mis un Fail is and y ax = -66 3) x = -6 and render dun algebre melyhalme renfund in um prufates for info andr: achisten form Of. gov. afmiffery, you as so mighing when mis mighten weefs of 1) mufery mous, dolo far by with his down son der gring tys no is welling if, un Jolds form wift most into much very breight. July Das alamera and Ineflorer regulifult is a wie a muly suff mos Dul O worken jurgo in mely Clark den By. mon dunf a mulight unfiel Di ampaifun Chafing un marina reinfyrligs 1/2 in 2/ murker wife Sam more bound ander On to living dois dus und & most wirthing, min a muyotourie must & In Mury - 6 ford. Vin mune qui El av 2+ c=0 unban venifynt Get a =0 yo will ding is = - c , were mis min due Tool might took Gunleviping mill , dais min from Laskyngault Ito man a = 6 informed \ a = \ b, and In Sort what four of un Growth with one for the min mir wis only don't and out to have the Substance of Interest on the Substance of Interest o beneuist veleur dru bruiste - a if maker = never abfalut gung oder miff mild date in a so year four workand doubl worth at win graft don ax =0 vello ofmus und 2 polinier - a grad vily ( Y-a) = a nd of beo foift draglis down & = (1-5) when & = (1-6) = 0 ist whomefor you of our by. Now mun (X + V-a) (X- V-a) = 0 went Imm tink I Sulfin - o ig? Dur augu mend fin al : went muis dur fathre x inf = - V-a down yould dus fact or army al gooff, drondert man danf van factof my

of mend (x-1-c)=0 velse din al mend dent man &= V-a vorfar kvir frax at orgyalden Many probacio. Ellin Sub yell wir man - a min alf gorff ymbol din of no devenue min orly weing dan Kunter migaren if - E Known alfl. Lavarista gå guvella: ne sif miss in me gi foregue suit ding a Quilorniette gan des best Zorle, go graly ab Knium graft In muly of multipl oder mils. Dub provoulought in din Strugal - a yalen und dres in gorleinstig ou Volaskriskulenn un Oellynnen mois Engrit Caynist on is main a magned nein zous is an sprogel. Voey Tallen four of ins Va die zorft modele zie granut wollen, a winds. v. f. (ya) = a. der mis min garafen foff D quots you front bus forband de at drygulde Murth ginds dans Maryof laighte - und at gents very mile mufor follow vind villa bar, fourthis wingel Mortfor mail mir kannin detel veil. yelen for forden minum mis lagiste flensken muit In Lalgott one put end Joseph wing & Druffeyal wind und + regunorumi - profing a willy Vind fine lungs dan Backar Jefend your skriefword, I die man a-6 mma gooff omtaulada did que la adol a grabs, it work at new sour Jolefu Juff drey Julen has Iwed: In fift want you order if spull much pof: weef neg: grafe dan for of anythe dar velly Gust. up muster your word ynarel zoell dan me in land for is ville traval morar imag: woif reell in you if legous.

Du Vig zmandulis, jaulto velgo lazon Martin you, if mis orly in villag: langon Brands sufan dufur VI is mel I youder to viela Va. Va mil ylains a juidan ta reput plat qua miss= (15 ± 4) Va former ± (15 ± 9) Va die Lumale von mir hirt fingen verkyrhellt forland gelsen vint find sent burt from kein 3/3 fine vin John ibact dur Cent rouithe mints if I sund will geniffind dur fing arm fundland 3. b. Va. Vb - Wab with highmin direl uniques winds yould Va. Y6 = York at finorys Vint of I'm Ofl. egit. Jur. Inter Val mulas down Consdoard das mit 2 polices al egilt of July on wh Va . 1/6 der symbol - Na . V. 6) 2 = ab Culling Va V6 = Vab Inited blings die Johnthalt ins Lugnuffandlaw inife dat Hertfat one Journ drys Omit of faut fa ingnew nume In 2 Bustfano fauch to now for nufrical almost forsuit dust g. L. You = 2 Mb = -3 Jab = b yo mains why's 2. -3 = 6.This bukining will min union be book one golfene on mis die mingonere mation magnetis " - a I frame gull die mild aren dut & springer Outorrible ind.

alouf drugher doubt if rentforthere in villeymen. Bright in sufor ship wont dans ullan muse In outoning beforedall find. alnu . V-4. V-9= Her gangen nur mort skier vanag: sighe miff yalond. = 1-4.-9 = 136=+6 mon gongs for the - Yab, much inmufain is murum wit Numb jaf Grafe Dies might va V6 = Hab mort vine annufring in poplin as des oundered dies might va V6 = Vab More wie Hour as 6 Jan Dies 4.7-1 in 9-9-9-1 morb at mill vileto vie Y-a. V-b = V-a). (-b) = Val= 2 V-1. 3 V-1 = 6.7-1. V-1= new podar da lengdan Marken ± ub noof frie bereit = 6(Y-1)? = 6.-1=-6 we from mint on brunning garies, mulyan Barke were class bottom langling unfunn muisto 3 - D. Jun d- a ind guyahan moun alas haffer lang? for foll los funda. dar los X= VI-az floory rif una un Benharyong it's molyne hout our Mingal grunnil ift, in walny (1-1) = (1-1) Jois foringe your Lot web up ar yelfris of marys if muil ub = in = 1/-1) der las ext pole ind of infini dur just hary de Ve und it & younger, for mings dru of meg. gis unfum And other Calcul wings and fixme who you Africa OHOW Suprem gir aly: Al: gr ax2+bx+c=0 in min quair: Ef: so murd sin in vonins garmondals.  $\left(x+\frac{b}{2a}\right)^{2}+\left(x-\frac{b^{2}}{4a^{2}}\right)=0$  den ax  $^{2}+6x+c=0$  ind  $x^{2}+\frac{b}{a}x+\frac{c}{a}=0$  and (x+ \frac{6}{a})+\frac{6}{4}-\frac{62}{7a}+\frac{2}{2a}+\frac{62}{7a}+\frac{62}{4}-\frac{62}{7a^2}-\frac{2}{7}+\frac{6}{a}\frac{1}{2}+\frac{6}{a}+\frac{62}{7a}=0 Mis mullaw win dra Palenrer no Log: madrillala muzi work wilfing is much floly !. what Marjan dup lindy in if die pantinito de Mor folland Der Xafur: go invender, and allas more di analy is laft Rufs in Rapulet I Efilland Systems.

you Talentracken. Infefoll fall about It' alia form, muilt is alia sure folgone Went thought have durill min fif ninn zoull a (marb min at ad ; at 30 def. a, a+d, a+rd, a+rd...... a+(m-1)d drubies and ande Oragression doct engla agend file Out mod glat min more die Egnusia undmakels It lagant Capa in a town das Syntems. a up balis on exp Mullips mom din Zoeflun dinafaruondar Joy Jain in July (a) (a+d) (a+rd) .... [a+(m-1)d] faulde fold guyn fault arin fundoren fund ingluing, fin a d m hallowed in sollen up on adult if a mil oury a ful m off: 6 I true int dru faculturest I no fell infurling and in. full nin Frankt, me moder judas a in sid vra dvammela der familiachen spid. um # de [a+(m-1)d] m J-d din formel noblairs me judge folgende mu d'arrestaut mund sof Jul of men du grudham gru fritantias und Enfol min man nun fauch mit notet diff in nun sammundels den just diff ford is muynkuftst muri lawry down ful your cyort no mill Tolk: in nuch neglit spire: Homorla date du d villat frin Rott, fo I'm amen igh am know men on no n factorer mo if popler int neg: gi in jadars fattor une d'yngir migat. stellalla mins will wrught windyn fyndelfund sprin a med lendauend nin Produkt new mountained one fudur in a your must (a + md) "Id budulat dru ulvery an on faithren. Date In due laffe afind you me factoren = too m- )d for it doch Solynud Ofind (a+md) Intwitted doly [a+(m+)d) in fil In order and Id free die m furt outhorough fo wouth (a+mid) his relingue in family lafor min now it family mis amounty muldjel,

alrest in das formel I (a+(m-1)d) m I-d miffle vindrob ist vely dia familiant forthe men fordar yolugare ofutor miss must miss for undfindale melf-byind (a+md-d) (a+md-20) (a+md-3d)... (a+d). your only view think drainten you and is helpen Vint ming g salfolute oguja grufar m-n = p-g for info. 0.  $\alpha^{m} \overline{f} \partial = \alpha^{m} \overline{f} \partial = \alpha^{m} \overline{f} \partial$ (a+(m-n)))nId = [a+(p-q)d) 910 orn if m= p yo is mail m-p= p-q our m-p= n-q

on= q nid duis is din Rufain Ruis Ins m=p fois?

on= q nid duis is din Rufain Ruis m=p+x m= p fois?

b= n-q ouls Genefug ving mightimlief & so vibus m=p+x am Fo badruded, don't ab ex factoren map fred vill ap F ind grown tin factoren 2 (a + d) (a+20)..... (a + (p-1)d) ford fix grunin mi folymend (a+pod) (a+(p+1)d) (a+(p+1)d)... (a+(p+x-1)d) ibving volv ab fort aboing (a+po)-... (a+(m-1)) muil p+x=m. Thun ford very de Mais er (a+pod) - - - - (a+(m-1)d) muft fattoren vill dan reuman links.

Interes (a+(m-n)d) nId [a+(m-n)d+d]... [a+(m-n)d+(q-1)d] [a+(m-n)d+qd]... [a+(m-n)d+(q+x-1)d] us igs abou a+(m-n)0+90 = a+m0+n0+90 = a+m0-90-x0+90 = = a+mo-xo = a+(m-x)d = (a+pd) mud a fm-n)d+(9+x-1)d= a+md-gd-xd+gd+xd-d=(a+(m-1)d) alufar falur spif in guifler ind sentiar vin grunningsperstlegen factorier (a+pd).... (et+(m-1)d) und no blacked (a+(p-9)d) gtd Abus weef formet II a m+n+d =  $a^{mTd}(a+md) = a^{mTd}(a+md) = a^{mTd}(a+md)$ arthloid air Kairfyi al  $3^{2+HII} = 3^{2II}(3+2)^{4II} = 3^{4II}(3+4)^{2II}$ funcacque is  $3^{6II} = 3^{2II} \cdot 5^{4II} = 3^{4II} \cdot 7^{2II}$ frugague igs 3621 = 3.4.5.6. X. 8 3911,411 - 3.4.5.6.7.8 Vi III la formel 70 msd = 3411 4211 = 3.4.5.6.7.8 [a+ (mm)) oud in blow In sould m+n to wer multipliquain drukas for durelus. mntd nin drowinen, mu amtd fort n Lattonen unifo velt ab forban joll Dingh ming the vely amy district mander in ymous Riveryl dus mury in dividerande factor wis a+fin-n)d ven, muit dus lafter Jackor you am-n Id ig? a+(m-n-1)

If all defining functions  $\begin{cases}
a^{3} + a^{3} +$  $=(a-d)^{m-d}$ Din Quely 1, 2, 8 mente Alones very for arriver  $a^{-n} = \frac{1}{a^{m}} = \frac{1}{$ In Sauthat wier min Och our In Podenz [a+(m-m-n)] m+n Id (a+nd) m+nI duid if you an is me in I will pully men if (a-no) m+n id a-nolm id (a-nd+md) n id

(a-nd) n id (a-nd+nd) mid

(a-nd) n id

(a-nd) n id

(a) mid

(a stortel, mail bus dans Expont On I den Fift Do farian jungled Joel. My . In transmit of formalier of the 138.

a = a + (p-q) + (p-q) + (p+q-q+v)d a = a + (p+q) + (p+q-q+v)d a = a + (p+q) + (p+q-q+v)dThursing II) (a+(p-9)d) 9+d (a+(p-9)) formel II ap g Id (a+md) restd =  $= a^{p-q+d} \cdot (a+pd-q)^{r-i+d}$   $= a^{(p-q)+(r-i)+d} \cdot (a+pd-q)^{r-i+d}$   $= a^{(p-q)+(r-i)+d} \cdot (a+pd-q)^{r-i+d}$ who die gt. Injulling multiple (a fm-n)d) mid= (a + (p-q-r+v)d) r Id vin Gfmels.

(a+ (p-q-r+v)d+ (r-v)d) v Id

(stif velyo Dendisty. 4 1. 139.

A formel him a mid, ha m I had when for fell

high-9. a p-9 Id = (ha) p-9 I had aday

his a pid = (ha) p-9 I had aday

his a pid = (ha) pt dh

ha + (p-9) d) 9 I dh

Tha + (p-9) d) 9 I dh Tha + (p-9) 2h 9 I dh who mort sif verif deis multiplicakion Ins Artis Drubb linds munitaland magical Lolynvanieg mid vint Dan formeln my tour for sorous in a farming)

multyte mu bukun mid arming)

multyte mu bukun mid

-a -ma+d) mid

nucley mid and mid 1) a mtd = (-1) m. Pd - a - md) mtd (-1) m (d-a-ma) m Id = (-d+a+ma) m I-d = 2) in a = a.1 to black of a old for for you man down allow med I sond fung you m snogtallaw mid I soft will away award and and and mished will be for mished with the mind of mished will be for mind of multiple & galan as week octobe = d: Od farm (a+(m-1)d) m I-d = a mId 2) am Id = am , m I(d:a) Smi 3) dry faller wild now a mid maleful = = (a) mid mon to mon x = Jain must 9: a = 2 fl: a  $a^{m}$ ,  $mI(d:a) = a^{m}I(d:a)a = a^{m}Id$ 3) (a) mid am, mi (oldia) du  $\frac{am}{ct^m} \cdot \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \left[ \frac{dd}{a} \cdot \frac{dd}{a} \cdot \frac{dd}{a} \right] = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty}$ 

6) a. (a+d) m-1 Id = a 'Id (a+d) m-1 Id = 6) if Kora ishnowing Lower to min ams in factoren zuolugben mi. the in a mid = a m+1-11 α m-1+1 Id = a m Id

= a + (a+) m-1 1 (a+) m-1 Id

= a (a+) m-1 Id

= a (a+) m-1 Id

πορωτη 1 bulub: δείβδι βαρικού ) α m-1 Id (α+(m-1)d) = α m-1 Id (α+(m-1)d) = 2 Abgarlague = am-1td (at (m-1)) a m-1+1Id = a mId
muldau 7. Volg ynibs (2)  $8)(a+mo)^{n}d = a^{m+n}id$ (a+ond)nid amid = aminid intollys Fred wiet formel I auduons un min off mom mid famine Duit Frails fring negotion; Lapsforge & Dog. 1. am Id = am I ad fa+d) m J 200 32.0 I4 = 5.3 I8. (5.+4) 3 I8 15: (5+4) (5+8). (5+12). (5+16). (5+20) = 5. (548) (5+16)-(5+4) (5+4+8) (5+4+16)  $\begin{array}{lll}
\text{Onis.} & \alpha^{mI} & 2d & = a(\alpha + 1d)(a + 1d)(a + 6d)(a + 8d) & \dots & \alpha + (m-1) \\
\text{onis.} & (a+d)^{mI} & 2d & = (a+d)(a+3d)(a+3d)(a+7d) & \dots & (a+d+(m-1)2d) \\
\text{onis.} & (a+d)^{mI} & 2d & = (a+d)(a+3d)(a+3d)(a+7d) & \dots & (a+d+(m-1)2d)
\end{array}$ m nu mun der factoren ordenllif griefour mer hall -Quit a priori no a am 1 = a(a+0)(a+0)(a+0)(a+0).....(a+2m-2)d) (a+2m-1)d)

Ruf igt m+m factorin de = a(a+2)(a+10).....(a+2m-2)d (a+0)(a+0)....(a+2m-1)

2) a 2m + 1 Id = an 1 I 2d a (a+d) m 12d a singe formel awards fif mountallers was der werden · San armti Id = armto (a+2md) = (a+2md). am I 2d (a+d) m I 2d uk, vung am+1 Ird (a+d) m Ird (a+rmo) 1 Ird (e+d) m Ird = = (extrad). amt 2d, (atd) mt ed. 3) a 3m Id = am I 3d (a+d) m I 3d (a+rd) m I 3d am Isd = a(a+3d). (a+6d) (a+gd) (a+12) ..... (a+(m-1)3d) (m-2factor (a+d) = (a+d) (a+4d) (a+10d) (a+10d) (a+13d) -- (a+3m-1)d) (m-1 fu (a+rd) = (a+rd) (a+sd) (a+8d) (a+10d) (a+14d) -- (a+rd+(m-1)3d) (m/4. (a+rd) = (a+rd) (a+sd) (a+8d) (a+10d) (a+14d) -- (a+rd+(m-1)3d) (m/4. Julian on in of grafine mis would down arding down for the service 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15. m-2, m-1, m findre solgande saitor um sin d griosten ist solgens winkluse saitoren ninn saultaet an Id bilden effe 145 1.) asm fitd = am+iI od (a+d) mI od (a+rd) mI od ches dan unuan min de gluf A= 15 ju ist mIsd (a+rd) mIsd (a+rd) · (a+rd

92 5) a 3 m + 2 I d m+1 I 3 d (a+d) m+1 I 3 d (a+1d) m I 3 d San  $A = a^{3m} I ol \left(a + 3mol\right)^{2} I ol =$   $A = a^{m} I sol \left(a + ol\right)^{m} I sol \left(a + old\right)^{m} I sol \left(a$ B= am I od (a+omd) . (a+d) m I od (a+d+omd). and me grings fif its Jean Grant, GARM 145 W 146. Lingu from white wilder is me offer any geff in me pog south more and the sin formed I.

and a mide and ed (a+d) midely in formed I.

appeared a midel (a+d) pog in formed I.

appeared a pog 12d (a+d) pog 12d and pog 12d

appeared a first of a fillia kind of affect of the post of a and a first of a fillia kind of a affect of a appeared and a first of a and a and a a first of a and a first of a first a+(2p+1-19)d)9Id (a+(p+1-9)d2)9Ird (a+d)pIrd

muly affing time when yo main homy might mound on in orin

obara - any dinfulla and binguish seven din inbrigais dre;

of Mr. 146.

III am-nId amId [a+(m-n)d nid in Ruft the Kennel anthorn find met more links drug dur mulkers weef formel II. Fir Herney Tan fing whom for mire in formel II. majuling at wings dur Experient with our dift ods minn factors win Product hillow mulyab que dont brafis a advirt meint for mow form It lap mId and prod med find Esp m-nId der prad (m-n)d. Min mullegligione orlys  $= \alpha^{(m-n)+n} I d$ am-nId for +(m-n)d nīd Vin formel dafat onen mener gunge familladley Thataigned if no unlaw fland drugt mound in Soumal Muse their orblinden overt formel m fort gudan m-n)+nId = (m-n)Id (a+(m-n)d) nId where [a+(m-n)d] nId = am-n) Id. druf foly and das deverbaling in plus unbites. Gungafuling I am Id. hom = (ha) mI had lute a mid = a. (a+d)(a+rd).... [a+(m-1)d] {buydu mullyl; a mId | m = ah . (ah + hd) . (ah + 2hd) . - - - [ah + (m-1)hd] = (ah) Sings farmel lafted min now min your fauthfact bini gridaming noalflar haps in landoungufulhur Diff in news ainstouf n appropriately arribantell.

Just Dinifa Lindauluis Jud Defebrery facultait din Lupin Coursending der facul if for finds The Its fortil our foly for Countering ming unain defigure with the formal bent of the graph of the reng face thank must infinite your lookengen wor fin 3- (m-n) Grand grand goffer the 3 former first, ownered by the spirit of the sould find of the sould find and form with the sould find of the sould find the sould find of the sould find of the sould find of the sould find the sould find of the sould find Die Aff. tatallat salle at mont and and done done of your and and one of a new order of the sale of th White mint show that wolding as at the none are dan doll mill zing with a last most wold what most one of one of an in I = new your eafs on (a-b) no of the region 2. Justin god. 3-2 dufus youth on (g-d) Justin a 1+2 a 3 Id =  $\frac{a^3 Id}{[a+(3-2)d]^{2 Id}} = \frac{a^3 Id}{(a+d)^{2 Id}} = \frac{a}{(a+d)^{2 Id}} = \frac{a}{(a+d)^{2}(a+2d)} = a$ tresto burned at the a To deld down in  $\chi=m-m$  welds  $\alpha^{old} = \frac{\alpha^{mld}}{\alpha^{mld}} = \frac{\alpha^{mld}}{\alpha^{mld}} = I$ Judif mounde fof dir Ladaukung druger gant  $a^{-nId} = \frac{a^{mId}}{a^{mId}} = m - (m+n) \int_{a^{mId}} a^{mId}$   $a^{-nId} = \frac{a^{mId}}{[a+(m-m-n)d]^{m+nId}} = \frac{a^{mId}}{(a-nd)^{m+nId}}$ vilje a = anta vinted vinte formellings yng duagh ordeven indummine bår Muteus dir I formel anny andra mill

Oblinity (a-nd) m+nId

if = (a-nd) mId (a-nd) + md (a-nd) + md

white a mid

(a-nd) m+n Id = (a-nd) mId (a-nd) + md

a mid

= (a-nd) mid (a-nd) mId - a mId

= (a-nd) nid (a-nd+nd) mId - a mId

a mI It it huguingen und mit grunn no differensfambladen vyrdningt hit julgt in du analysis 1. 2. 3. 4. ... m ig den spuelle sauellact leaguistant soul and word our I tormele = mmI-1 infulique out and mid mid dufait (a+(m-i)d) mid mid mid mid (a+(m-i)d) mid mid mid (a+(m-i)i) mid = mmI-1 How hadraid sif nier das Zurefaces m! structure mail
Fin facultatt och a wobvert al spring and suit on facultact
When m arms hatirling adof your Zuffre ist so sprind
den facultactem 1th II wil mm I minorder. y laif. Teram Dur iles In Lacuflacter " Juf ma grufact for Exp 4. = 141 1 1.2.3.4. 1:=11=1  $(-3! = 1^{\circ I}) = (-2)^{\circ I} = (-2)^{\circ I}$ lout mings won with spring man and the specialle Juin, nochair moneige Roub diff gry graftand, showed

Knim Landin Luis. Moive no hum ynge 3ft fo " " aloub guifar forthernomial looffinent. -I'm formation dus bin: Cast of It Rapoling. Gavira des fig univelare Anifure Annkun min med 1,1,1,1,1,1 ug: A.O an 1,2,3,4,56,7 --101 1 3 6,10,15,21,28 m or 1 4 10, 20, 35, 56,84 the and 1 5, 15, 35, 70,126 . -andre gened in jada Rnifn fole : da durance vellas afon morf wynfriedar Rnifn. Druga Anifne fikane flegur: amfin. web zowhullings. Lo yould 2 Bushyode You day than forey Rough done in Glad within houte durif mun function you mid n. If nume authoral bow on won gurdand mys 3. to Affen Jast 6 Raife gurdund 24. Ju var on to fev. Rings fin fumme you m Glinde elindre dung nun fundion gour m at brown 7m des due nought on ou me and in - mt. 3 gad me 4, 2 m=6 46II = x.x.8.7.8.9 m! gad - 30 m!

 $(n) \frac{(m+n)!}{n!} = \frac{m+nI}{mI} = \frac{mI}{(n+m)^{mI}} \frac{mI}{(n+m)^{mI}} = \frac{mI}{(n+m)^{mI}} \frac{mI}{(n+m)^{mI}} = \frac{mI}{(n+m)^{mI}}$  $m^{nT-1} = (m+n)^{mT-1} (m+n-m)^{mT-1}$  $\frac{m}{n!} = \frac{(m+n)^{m+n}I-1}{nI-1}$  $= (m+n)^{mI-1} = (n+1)^{mI}$ Du (m+n) mI-1 = (m+n) (m+n-1) --- (m+n+ (m-1)(-1) Sufur  $(n+1)^{mt}$  =  $(m+n)^{mt-1}$  = (m+1)(m+n) =  $\frac{(m+n)!}{(m!)!} = \frac{(m+n)!}{(m!)!} = \frac$ 2) (m+n).  $\frac{n+1II}{\sqrt{nII}} = \frac{\sqrt{nI}}{\sqrt{nI}} = \frac{1}{\sqrt{nI}}$  $Q_{n}sus_{n}$   $(1+n-1)^{+}=\frac{n'}{n}$ 4) (n-1)' = | nxIII = |nII  $(m+n)^{m+nI-1} = (m+n)^{mI-1} (m+n-m)^{mI-1}$   $m^{mI-1} \cdot m^{mI-1} = (m+n)^{mI-1} \cdot m^{mI-1}$  $= (m+n)^{mI-1} = (m+n)_m = (m+n)_m man, more inns on$ outdouble for mindusand (m+n) nI-! (m+n-n) mI-1 mmI-1 nnI-1

a)  $m_m = \frac{m^{T-1}}{m!} = \frac{m^m T-1}{m^m T-1}$ (m+n+1)! (m+n+1)(m+n+1)[-1] $= m^{mI-1}(m-m)^{nI-1}(-n) \quad \text{Nor min } m-m =$ 0 2/ for in (m-m) nI-1 and =0 date don't ovska faitor ne dni familhaet ist =0 mist fri der guer grifter =0 dorfar, mod vung im Olan av Brom un mory, do is moments The specific  $m_{(m+1)} = \frac{m^{m+1}-1}{(m+1)!} = \frac{m^{m}-1}{(m+1)!} = 0$  $\frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \int_$  $(-1)^m (-n-1)_m = (-1)^m (-n-1)^{mI-1} = (n+1)^m = (-1)^m = (-1)$  $(n+1+m-1)^{2m}I-1 = (n+m)_m \text{ In with } \mathcal{G}=b \text{ in } \mathcal{G}$ e=21 13= A to in

3.)  $(-1)^n x_n = (-1)^n x^{nI-1} = (-x)^{nI}$  $= (-x + n - 1)^{nI-1} = (-x + n - 1)_{x}$ 4)  $x_0 = \frac{x^{0t-1}}{0!} = \frac{1}{x^{1}} = x$ (6)  $= 0_m = 0^{mI-1} = 0$ . In In Some figuriales aniform Definitular, abigs out I'm = I'm - I'm Inter OH! Sm= Tm+1 dryw Tm+1-tm+=tm diede
pn-1 7m-1 dryw Tm+1-tm+=tm diede
m= Tm+1 drywttlientettel

Our wine down Ovely velloganine que bunging is folymore Lafriguely welfig, malifa wild loudad: April mind in In hot photomets but med from single del bangis mind in In problement for moderne de de la bangis mind inner sprobremelt bai zulan Campurature Enry int Man Ita - mh I down mings 3) Th+1 = mh+1 II (h+1)! Is offmire, well more wiff dubai gu dangvirfun meinen dare syc h baday juda zveft oddo over (hte) wied dink in wen verlikuris. Orlens min rongsur might of In plublafilier gurane Bon of you he will -The fret fine nimm anopre have Buth wafre In Jull fir mulife durif of waterful dis. al: mifflig mond. - sans nit gulligo. The ist muf Definition of # 5 1 + 1h of + h = th+1 + th North should n = n-1 yulyn

The instruction our Aniface = h 103 for if in sandling It of vent our summe (n-1) Glindas + Sum man aflinda (Baydas me her Raifs lagenfs. Julus Sh = Sh + Th fridge burgariface of Alouf Ins Sefinidion in in the from the The wind of the The middle ful die the the sing in the 1/h+1 = m(h+DI) II) This The the down III The - The I = The day Ruit Trunks butto Mis form win sto man mind south the who with the but the but the but the but Toch wan in fair . Ofin ground and The The mhait - (n-1) hall = mhi! (n+h) - (n-1) hall.  $n^{hI}(n+h) - (h-1)^{II}(n-1+1)^{hII} = n^{hI}(n+h) - (n-1)^{mhII}$  $= \frac{n^{hI}(n+h-n+1)}{(h+1)!} = \frac{n^{hI}(h+1)}{(h+1)!} = \frac{n^{hI}(h+1)}{(h+1)!}$ = mht Prin sonnel ogaban stil dar Most afin to hurding lie land muly fin formel ogaban stil dar Most afin to hurdings den sonnel ogaban Min splensame hun so: mil

pollow, offling bastind is of I weil In of the water ochequelas forthow, of the basting basting in Deling business mucon for immi gurrifindan hadried un forland much yayan har the Dans much yayan and day the Dans arrayaya and day the day har being and for the day of the many and day the day make for the day of the many and the day of the day of the many start of the day of the Im = m! = weef I fon, (on+(m-1)) mit Our min our hinomial last Xn= xnI-1 In in vite (n+(m-1)) mI-1 min bin: Coff dufus = (m+m-1/m on if duagallen Marks mod figneriske zork mod min bi.

nomial loeff: It woninds for flavour Jorgs.  $(n+m-1) = (n+m-1)_{n-1} = (n+m-1)^{\frac{1}{2}}$ = (m+1) n-1I1 Mynd nun dur Lungich der I famel In = m+11! verbricht of in klour, drip mail om = ton in to ton = mm+1) !!

drip out of on diapun Out druid uplaint of in will on.

or priori men was ifon over well langin. up im aufrantes Hufulist vous VI = mit folgt middam lagnifte der Right ha pi 1+2+9+4 ..... 18 if oilend min ng it ignstefur forbare ih jotefor anit: Raif. S= [0+11] n velde fine (1+a)a = mil Vis Signerte (Rings dans & bade igh wine mill multiprivisking moison, under sur find har sur Sufference with the State of the Sta my he fular ju ob New Bolas filis 52 will muis n= a sys, and gill of to it go bring hisfun of main day Dognet feit an all men m=h

for eiet no varif njute m= (h+1) Van yought

nous mot fiir m= 2 Jai fa ip drue

33 2 = 4, und n311 = 9311 = 2+3+1 = 4 frisk orles nins ju barning wir brush mani 1 2 = 12 1 prip qualuif (h+4) = (h+1) 311 Langing ph+ 1= 9h+ th+1 = ph sh+13! 1311 + (h+1)2+1 = h.(h+1)(h+2) + (h+1)(h+2) = 2. (h+1)(h+2)+3.(h+1)(h+2) = (h+1)(h+2)(h+3) - (h+1)371

106 pl ifd orly 2 = (h+1)371 mut weer la= h 351; h kom vibus 2 fine velgt agild In Buly glis 3, pair 4, 5, 6 in figh. Out drugen glomelwifus die 1 w 2 deg Ruit abstration mis wine vella nunning forskel pm = ment of our benne wyne, des, squa m = (m+1). In suit de welfmunding on = om = mil de suit de welfmunding on = Limit. Egilla din downeal fir Sm+ fin m= h fo Sph + 1 = Sm+1 + tm+1 = Sm+1 + Sm =  $\frac{h(m+2)I}{(m+2)!} + \frac{(h+1)(m+1)I}{(m+1)!} = \frac{h(m+2)I}{(m+2)} + \frac{(h+1)(m+1)I}{(m+2)} = \frac{h(m+2)I}{(m+2)} = \frac{h(m+2)I}{(m+$ (m+2)! = (h)(h+i)(h+2)....(h+m+i)+(h+i)(h+2)....(h+1+m)(m+2)= I'mbigo unfully  $=(h+i)(h+2)-\cdots-(h+m+1)(h)+(m+2)$ (h+m+1)= (h+1)+m] (h+1) m+2 II (m+2)! Ph+1 = (h+1) m+2 II
(m+2)! Prisfin of m+1 = (h+1) m+2 II (h+m+2)= [h+i)+m+1] =(h+1)+ (m+2-1) avelori formel dir velligum, ist.

mus much din formel semif wallow you. 10%. Inti ind for h. Oben in Prati = 2+m ( Ann mout dans Dhena 1, 2, 3, 4. . . bredst die de fauterafte Reife wien and 1, 3, 6, 10 . . Righ bai des det to partin language de monthe la language de monthe de la language de la lang But on for In Par and and a ser out of an all ser of the series of the s (m+1)th ard = m42, in der bout awfor affind wine = 1 is faight p2 = m+3 Alr um m +3 juf varef arrapialed rynts mere in it's formel m+1 (m+1) 1 m= a w m = (m+1) just infuling at year  $\frac{2^{m+2}1!}{(m+2)!} = \frac{2 \cdot 3 \cdot 4 \cdot \dots \cdot (2+m+1)}{(2+m+2)!} = m+3$ untfin gill din farmet plin Int of gill fin very plan mit, velke vely vela om mit ofin must open für me fir fre vilent fin for will fo will you fin ful of a figl, vely yet fin fins om. Julif yel ving dis formel plus m=1 and m=0 In Done is small 10+111 (m+1)! = (0+1)! = 1 Walumany by soils 1) to = 1 = ( vin formel flist mounty am: m!) = 4 2)  $t_{i}^{m} = S_{0}^{m} = m = \frac{m^{2}I}{2} = m^{2}I - 1 = m_{i} + m$  $\frac{m_{n-1}}{n} = \frac{2 \cdot 3 \cdot 4 \cdot \dots \cdot (n-1) \cdot n}{(n-1)!} = n \quad \text{markov and} \\
\frac{m_{n-1}}{(n-1)!} = \frac{n^{n-1}}{(n-1)!}$ 

But dur formel \$342, T  $(m+n)_m = (m+n)_n$  awy will  $f_3$ )  $f_2 = f_1 = (worf $546 I) = \frac{m^2 I}{2!} = \frac{(m+1)^2 I - 1}{2!} = \frac{n^2 I}{2!}$  $(n+1)_2 = (n+1)_{n-1} = \frac{(n+1)^{n-1} + \frac{1}{n}}{(n-1)!} = \frac{3n+1}{(n-1)!}$  $n_i = (n-i+1)_i =$  $\sqrt{n+1} \frac{(n+1)}{n-1} = \frac{(n+1)^{m-1}}{(n-1)!} = \frac{(n+1)(n)(n-1)\cdots(n+1+(n-1-1)+1)}{(m-1)!}$  $(n-1+1)_{m-1} = n_{m-1}$  $= \underbrace{n-1}! \underbrace{(n-1)!}_{1.7.3.4.5.6...(n-1)} \underbrace{(n-1)!}_{n.(n+1)} \underbrace{(n-1)!}_{1.2.} = \underbrace{n(n+1)}_{2!}$ 2) dough (n+1) = (n+1) n-1 (n+1)2 = (n-1+2)2 = 6). tm = fm = mm-1f' = m+(m-2)m-1-1 = weef (\$ 0.46 I) = 10m-1 = (m+m-1)mI-1 m! = (m+m-1)mI-1  $=(n-1+2)_{n-1}=(n+1)_{n-1}$ 3)(n+m-1)m =  $= (n+m-1)_m = (n+m-1)_{m-1} \text{ Not a favoure}$  $(n+m-1)_{m-1}$  $(n+m-1)_{m-1} = (n+m-1)^{m-1} =$ mat num din der =

vind m+(n-1) bn = (n+m-1) (n+m-2) .... (n+m-1=n+2) = 42.3.4.... (n-1) Jafand Batwuffel. = (m+1)(mu2).... (m+n-1) = | m+1/1)  $= \frac{(m-1)!}{(m+2)-\dots(m+1+n-2)} = \frac{(m+1)!}{(m-1)!}$ for spring to = (mor) n-1Il

Samutationen Variaty Combined New Third I dufer unffield a Kjule Die dagill, die in gringful dagil mill now, undowigner mund med vinto Welfurb gally. In sinformer from daying migue ungeleen flammula. Jul down fin nurbindan vilet were. holning night a, b, c, d Die Barbuilte ist imbayling Vin Growing you 2 growing: mondas muly me Themenden yngiftaf Dozenlo low vellas fin for word paux my out inf min Golf Dut morale vanden. armin Lolls Couran muly way mundhi kadmitan when mif. Alla mejy lifan Jarlandigan je 2 Elemente milw a b, a ipm abic 6a 06 6a pref doin mint min Markendrigand mid & Hem: Sullan andam inf don yorkend go germien unegalen Glemente govojela ud urforeka aaa aab aac aba abb aba aca aca aco bob boo ba bac ba bac boa bob boo eca ecb coc ba cob coa caa cab aco Hemenden. July Arbinding un gie 4,5° pm mon Combidudorisfin Narriadionen. um fin your Narrent foffer Calcult you wishows fin

Anya ( marin muyan love up mus mugh Pradulte wung undan. der ofrwar selfs den Undroffmones ab w ba implo min aab aba aab Alindrigue Murdindringen, Jo Almbaro unit mofliguordualan Burlingin aa ab ac ad aaa aab aac aad bb bo bd abc abd ace acd Volefu Ogurbindungen bbb bbc bbd
united more Combine. bcc bcd
dionen ccc crd ed6 Die Golfe der Elemento in nums odd Harbfudung bital die Clarke down perbendungen Al Merie min fur alec vella mondifue Derf. muin flam wie gri mistan malela Marbind Dornou in van Turialonkluegten novhvusan all drught mount mon Cermitalion ach drings 3. Operationers beldnu den bac Lupra der lovnbingtorij fun Analysis bea uit un Variner spud velle uberlyns Marking morfolindam

Stonen germellirt, Juf den Variadionen morge Chan, Dra ofer Apphanofoling. sub durifyind months zinguten nughting find us, din out wordan 20 Primosphen gelestias mavonio, ist min benishanda Da Cosno. mid Regularfer Saufer Dind go Nurhern und abspllan 1, 2, 3 yngraphie in ballafe Ond to Jind of Variate when Mindroples. ift is the El the Combin out on Elem in (a, E, c. - 9) Augusto seul a, b, c. - 9.) Mojat ab una Augusto mull si ffina igt loist mous das fulle out In clark duridat in Compress du Bl. un nues Complesion (1) writed Six Mindally Min mou yuranidal is trings In Lay to Cof dapt. Die July In Barburd zi Luiden, igt forefor Var Welfinkele Sirlad de a H. Vas. Al: vuel Elem: abid. 15 dantal 4 Elemente zu permit. Andrie leus Comb D'Var: mendrofold mird Jun Ausbefrest of mindurfielko Elem nyayaha you you fill as be : Permut Mondafog uni Doct fult, man offen mindarfolke Anumerus specierum Hendrotung in Leyrig fortuda sur Combinato fort yo hyurfunt.  $(a^{2}b^{\beta}c^{\delta}...)=m!$   $(a^{2}b^{\beta}c^{\delta}...)=m!$ 

y .  $y^m = n^{mI-1}$  $\mathcal{J} \times \mathcal{I} \qquad \mathcal{I} = \mathcal{I}$ s) on  $= \frac{m^{nT-1}}{m!}$  $6) or = \frac{m}{cn} = \frac{m^{-1}}{m!}$ Lungin of Lovuelle Win worden al: Der find on murskfirm. Elem: uju dough Don nafaran nogd i Elem a bib graht 10 wording = 1! 2 Elem: a, b, yulan 2 Charding = 2! & Elem: a, b,c you on 3. longton fif juitab your fully and for our fully one gainding of bullowin orly 2 2 = 3! is J. J.

2 formel. m=10, d=2, 30, 94. Dankun mir gi dreft olle Min: garyfinden for yalen for to! Her i de gachegbeza, db live mo c, c s à vielle if und outen Murchelingan in form Hallan gardruft of Aprailer for view in die i'b wrigner lacg Tref brown dalland de bakvar af variskur den 1- Ahrand must 4. Amorring und den in dane browning med 10! archforder find. That were die Elem: c, c, c, c, c, daff mass garaffan for find den Gravardig 4! wift mass garaffander Spindaru eguland wir I Omordie. Nein levine if vendron Ourording un you dan 10. Harbuig provide france und in judas komme dri H & non out as luight fif whom the amyon, the ire 4. Ouverdingen zi gent fair, mais more dir Colf while baloveflut, on min gain Barbier nen vu 10. a basadry for mindarfell move ub mind mid
den Bbilch med der vorg ist mongingen. Ata formel. Smill wow Jif 7 Elem:

114 steformel. saude if wir 7. Elem: Julya justine dres a gor

in Ordning dur Combinissionen Gulft miver dun angelun 115 Hemenden vour from garbuidungen ungelien Elemente your Dir suit grundinn, me Unin migu mofthe morbined mus flowedne minon, mulifit In Commutation gistoilles. J. G. a, b, c, d, e 15 6.6 60 60 60 4 8, = t2 ora ab ai ad al si Andre mist della gove drue biriomen so notorella il to hernen, falla if lo nous so mints if din angen Anga wurdburgten uf bakvas a velyo to spila it vellan a your it brought to 2 nogen Ringer ind hoblotun der Jumme out 3 organi zwefener der figuer Ainfr = to afula if I nor for hollows. arforeka orly to + to + to + to + to hernes def den Lumme der ångdun & Glender du Photo fig: aufn rinkry virto azulustu = 5 = t3 Do ballow if bui qualernen mid Mint. t3 + t3 + t3 + t3 + t3 = 83 = t4 ford more m Elemente for est die Fourfu Scholalle ind inf woforede m + (m-1) + (m-2) ---- 1. = ... m + m

Orany and ingan . (a+b) in ninfulplace form very sules (a+b) = aa +ab+ba+bb. vous din allage du Vanculion mit my indusful view & klemenhen = (a+6) = 22 (a+6) = aaa+aab+aba+abb + baa+bab+66a+bbb=V (a+6) = m men uf din Murlemedanigen als An Variationer you view Combinationer wer Corners inf murke old mir din form (at) m nurffreything man of out a w & Combinat bilin and juda ofabye Combinet: gurgafu, de mui des Murshefign ighte Fradute ogubnu for multiplizarion if wien Combinat david guff to Comultakionen South of if in anyuluna = produkte noise . To if oily's zir monfun am-or bot Irukan mit shock or vella greffine ynthey now O list on in moch vine of various. had yo winds m-ve + ve = m. million is dring merbudner Markuding dar Reprenfant gade men outst fif am to be murylulan light, if y for Dra Murelfingun fund m! velfo igs (m-v)! vi! am-vi ou der Representant veller muzulun Glinder nu (a+6) m ud is?

Ni dumme du authoriule = I fo igt (at b) m = S(m! am-ve for) sub ig In binamistela Laforford mut on nin agnya Zagligs nd if der Aundidnings forly Inv. madava ad Jifara analysis. Pipin mollan fu una in Dun marfindunghan formen fafur. - Dong are be socially on + b= me main of flood or when b (nomm of and out ourdarn mountal) you o hit m Marthe ynifeld mis Sanda) Sur Augrosen Rant villner Combinationen mid Mind: in m! vjubt

I'm goft dus Cormit in m! av. 6 is des Repre

produnte grows dus V' in P[m! av. 6] = villar

N' und a m' 6 - (216) m N' wind a mib = (a+b) m is 2. m= 4 w 11+b=4 (0+6) = St 4! 00.66 Obin Julyon Just 6=0 / if of=4 S(4! a4.60) = at. Orginsfulan port 6=1-01=3 A 3:11 a 6') = 40 6' - 6=2-11=2 6=3-01=1 S(212. a.62)= 6036 (1:3! a.63) = 4a63 - 6=4 - 4=0 A 4!0: (2.64) = 6" vely. (a+b) = S(a+ 4a36 + 6a26 + 4a63 + 64) Pays ginles (a+b) (a+b) (a+b) (a+b) (a+b)

alix formel is exploit baying muit more. senson, mis mis hofuldan int & Blind man mark or = x no b= m-x yalfdan vely (a+b) = (0+b)! - an bb = ((a+b) bI-1 ar bb)

with (a+b) = (0+b)! - an bb = ((a+b) bI-1 ar bb)

with (a+b) = (0+b)! - an bb = ((a+b) bI-1 ar bb) Duft of front or = m-6 mind (art) = s(mbt-1 am-b bb) un from three win undung vir b= m slaftan. Sa staft in defolingssin mir in unigulum Geindrig der mbt-1 = mf prip (a+6) = S(mj. am-bb)= V(mj.a. 6m-6) (a+b+o+d) = com inf migelen lomb: per. emulire uder gion Combin: mid permutated cont Golf mullipliques min velly Represent ombenof During at 6th and on out both a, + d= ming Nan yald more or, \$0 b=0, 1,=0, N=1

New x=2, 3, leib on, mo fif ve, le, v, very 119 simbarie for drang from humme = on much for refuelkan mis ollen megly lombi mutionen. Lingue Represent: fort zur les: Joel m! min lungt anigniful in Jufur (m! villi! d! (orth + n+i)=m preferhant javas Var Dufno (or! b!s! o! and b. c. d') = (a+b+c+d) m dul in dan gradimomiste Does mount min oner Julue wind In polypromi file fil midne dals Dut awhathu mid jolyne Olyrefindanken mint sin. (a+6+i)m = 5m? au. 6.ce ) By ift if nun Just (a+b+c) = Son! to ar (b+c) follow for forther in for (b+c) of the souther for are (b+c) of the souther in forther in forth Stel binomune god (6+6) = (6:1 6.6) velyo (a+b+c) = S(m! av Z! bbc ) mit bib if Subsulvertun muglife

or + 6 = m | 3+i= 7 | Surffy firban) den Linglung Bland as

or + 6 = m | 3+i= 7 | Surffy firban) den Linglung Bland as 120 - Constan ig (ax 6+0) on 1 m! au 66 or 12+7=m 6+1=6 at + b+ i= m drugu af unefult des buysan Ogla wiff wif wings weef more Iw bry down Buyer of unform voya le + 1 - of vinga byly spent orhar wir muliface maref Jul Touch in view Round in In Gliffe sign of South of him of the wife with the wife with the continue of the conti While if (a+6+0) " must our farmel nutur Males vile murlju flagt fulgrunden fra er & b + 1 Joelan Harinan mini ifor Jumme = 4 if Joinga builyochu Esp orlyguld unfuciif suns molegnovdenka voko vellaniv, lufu Guovorugan dur fumanden zu forban - renga 2 duckynle, Aplan discryption dompleximen in Enter I'w lassau laprael Int I List dan combinator Com dyris duriffificha Jula a wind mour fin combi-Nationen ud Variabionen gu harfamitar vi, 6,1 = 4 Jummen. 0 4 mounidard but her duffar July mailas & De mucht mil mil at kinn swingalo muffyavortuala info

36 Marialionsynvandur and arfolland moun mukny adar Fireha odno off mour jana permukest Veni mushum anishavila sind den Varus wolfing mail ve b e villa miglifa Oproffa vanasfrance Windre Cher Curdan mid Ryprefendanken unglaur Profee for Il Grummuring, m Rode in Ehlangen Influe Ohm or + 6x + cx 2 + dx 3) main of din anyuluna Afridas nouf it exposioned of for def. your our antilland. vellen din Afrindre den doch & in duryallen Javang andfold and spryluis mingly fragan mail vileur din mugulum Oglindar producto girl do polarint mom jndru talkov med no men =

= \frac{m!}{v! b! i! i! a . b . x . C . x . x d . x 3 d = 0 = Soilision augle 2 de 2480 v+b+1+J=m with an + = m Ohn were sondraw. weel polanger z &. for Julyn inf 6+21+30= g moliful nun o nive yar zull agrefentus dufur mind A= Sm! aib. i di di x 7 -6+2++3== gor+b+++d= m Plin spired In afindas noul & anowhend majulif-July inf south y = 5 to unfolder if union out; Stand The order by our should malely & notellan Millief Nes 4 halfend sont mad your Roems

122 y/s bilda if & Glandingan Daigh. 2) 6+21+20=5 L 1 2 0 Jun den buydan gegign If July und in du Gl Sprible!!!!! In Murly m= 4, x= 5 ud ve, b, i d niforellun dur Rings nouf din Mondofu a

An lempendring ner hervings mum doch orlly mining III Oumanding (x+a)(x+b)(x+c)(x+d).... zi sufmidale. x+a X Ha+6)X + ab Epur low much a w log whowigfpu of un It Ond gir indus x3 +(a+6) x2+abx+ cx2+(a+6) cx +abc= = X = (a+b+c) x + (ab+ac+bc) x + abo from and with sub Ord man infal, at be you In mughline latt ofme functioner our d, be Sofn vend very semetraly mil of spit might our over, your more ju gayor mit immundand gunnafolald. Lamundl if relate out on last min symetre function yo bris if ibunnings ist der knin blind Laft, frugt kin an -nom min ourdanat flyenn lunfan, ut of Grad. San hojure your (A+a) (x+b) (x+c) (x+d) and mulalu, der das ungan aufdfruik et 4 Jain mind But gin & nul Caiff you Jumme lath + c & d sub & bli x2 prelgi Coof din lombition 2 non don for life is go. f. Jeb lugar af in Sur prat abed. Wedfin velly: (x+a)(x+a)(x+a2) ---- (x+an) = = of on on on one of fautt or vella mulfinger of solla mulfinger of the or fulf.

124 xm Exm-1 + Cxm-2 Cxm-5 (a, a, a, a, ... am) is dur velly Toug. mulipur in frequen affanfangan mufry s.p. 2. 5. X"+ A, x"-1 A, x"-1 to kain if itaya Of yurlayan in fackoren you due form (x+a) (x+a) (x+a) (x+a) ... (x+am) April Jufan Its judas buildrandt dur din Ogl: zu o month in judam factor punt. Lightyroveful if, Sufar at, the My wiffer first (April futher one Does (9+6) = = am + on, am-1/4 mgam-2/2. --mufund (a+6) = I moi am-vi pin vol shi negative hinomium i. (a-6) = S(-1) mon amor for Digression (-1)6" vinked out ± (-6) mais of synvoida guff int + man & minger: guff is wind his now Honga Thrales in Erlynde Das the Cund on Byt. J. 9820 w 1821 forest gry Zouflips inforther or= a spring los on = 1 = 645 = (-1) = 1-1 der los in =0 of ind 0= 1-1 mult bruconsequence

mif famthælen orugingenden = A unfullif (a+b) mit d in Smora mora bis d vinger Bul vill min m=0 von aby rynn in the for mindre min d= o felme mit winder barnom minde fif or nyuban. If m negat dreie is winn mundlifa Ring, Imane Summe rings bevir men mel outbailan Joh mans subvorfun york is geld dus voel mild Grain indgreller nepur Die formel whis velle m Dure in it = wynger ( ynbourf gull = vels manfais. = (a+6) mid Mai via Jumme dav Ruiga sunert mend med ab autopals non Cerestrant you dus form 15

126 venyais dus Porgas. forfull (a+6) mid = a mid + m, am-11d (11d + m, a Commension mushen I'm Enoper's methode bushuft in furgo felaunu Dafrylel infinitif mui den Gl yeld für nun Golf to din of shir on July to will fin our afir hot I din of fix m yerly. (a+6) = ah 3 d h, ah - 17 d 1 1 d had - 2 1 d 12 d guft h. dem mu gå mayom ukifan gred für m= h+1 mulliplizer of links in wall by fact in noufiner lughun skulyt. In lugen Gind (a+b)+(h-1)d In word Jun taghun delighting velife (a+b+hd) down multipl of menon of: in before a lubb (a+b) h+17d mail (a++hd) for our dan lulaun furhor gou (at6) renoffings! mullips in wright might if fringne of of die multipe ou den famildenken on alimber viersfernsteam, do off Das mulliplicator invar dur findungen farhor murd and a+b+hd = shif a+hd velo laffen factor ove a no grubt

ah+IId + ahtdb yo muldiges h, ah-11d pi arg mil a + (h-1)d som mid b+d dute a+ (h-1)d iflinged afrif om ah-11d ven und if neforthe h, ahid bid + high-iid brid muil 6'Id [b+d] = 6.[b+d] = 6.71d Jul de Ge multiple si my mil a + (h-2) d Down mit 6 + 2d ven ah-1Id Afterns fif a + (h-1)d in winds ah-iId, skafvella he id 625d july mings of worf mid b + ad go mulliply brid (6+2d) = 6. [6+d] [6+2d] = 631d mit nofolde vent Inn 32m Eglinde thr. ah-17d 621d + hr ah-17d 13Id de Roefern if Lord. Gef udire um den sunglum Genen gi amounder in bukvinn

(a+6) h+120 ah+12d + (h+1) ah 2d 612d (h+h,) ah-18/22d +(h3+h2)ah-2Id 35d1+ ...-From hm + hm - 1 = (h+1) m word dum shri; hn + h, = (h+1)2, (h3+h2) = (h+1)3 % & s vely (a+6) h+1 Id you wenking in fulmulage mil (a+6) h Id. Jon 5 hm + hm - 1 = (h+1) m Digrefion  $h_{m-1} = \frac{h^{m-1}}{m!} = \frac{1}{m \cdot 1} = \frac{1}{m \cdot 1} = \frac{1}{m \cdot 1} = \frac{1}{m \cdot 1} = \frac{1}{m!} = \frac{1}{m!}$ hm-1 I-1

ig ynmniistifte Jackor mour

miest ifn me obnu sufabour moufur

dan fort I-1 (h-m+1) If du morlufan Dengan funtos

if hukuin vilos pm-1I- (h+1) 129. ig di Jumme ubur (h+1) iftenyss
fif sur den novann fardor our
mid grubs (h+1) m I-1 = (h+1) m Durkshifung & burgaight Mir molling dan Enfrejoch langingen - dul grafforf for drie um omb (a+6) hid (2006) hot I'd gir nofollance formings of (a+b) had one for wing din the fla Yurka mit Inm inversible und de fackor olif vels anyingun Thu July if faith m = 1 in dingor. (a+b) 12d = a/Id + 1 a o f d + o. orly (a+b) = (a+b) Milfin igt du vort lungington

Denger Dung du multion nummer puduk Distribulent for Juduction nummer spill sont mill pleveld in mill muft april affoliate aufe in. Auf um den Conquit amindlif ju 23, 4 alindain verbhilan Joud mid dan Representanden villar Clindra. And Engelt is nun dolynudar mis Same Representan Sun Dro Chief. It if gir burgaigh (a+6) mId = Smg am-67d 667d Al of finder In Enfroborg in solys (a+6) hid I heah-bid bid muldyrlyin mul a+6+60 nd hudvin (a+6) h+1 Fd dinkt Ohn vuftbyi multiplininn gurlnyn if a+6+ hod m 2 Aprilu a+ [h-ba]d ud in 6+bd ud hubainn I he aht - 6 sd flid down billed nin Raifu unlayed of med but bed ludion if I be ech-bid frisd In 2 find orunnound of adviser and galaced

No bo dad the aland, by soulth is in of of. To minds bun 1.2 Buddweelt id 6 in It Guddrub. Invallan Cyfrad ar nynban In lengther fing orbar muft navainique mout din fauilt: zunffdnu fint. Jeffuf. om vudder gir grupalfran (mis yhudyland Old urban 8 tom Ayl. zi gartemina)

fing b dus Regresant ant villar zoestammun to his mis tunidely, Joing man of our steller Suffer mergeoled of Sub 12. Offind ind bb, if grand omdern Eglind ihre dar Does if 3745. Julgains min in Sheah+1-6 is f-f.

Touth of =0 To article ins

ah-11Iol + She ah-61d 66+11d degri kum Dav 3 de Summ + S\_hah-bid b+ild min ig dus 2 md 32 Cus drull menden farkoren und bildne dus (mai) en en la glind a h+ 1 Id - S[hb++hb) ah-bid (b+1 Id) Du im hb+,+ hb= (h+1)b+, to mind

(a+6) h+1 Id = ah+1Id + 5 (h+1) ah-6 Id 6+1Id July blow of It works glind frum hvings mingabufol is down 5 3 74 form 3. unfailif Ins forsel 4. Jy July mo 6= 6-1 in hadonin 5 (h+1) (9h+1-6 Jaff) - a h+178 and of lenker a vely's (a+6) h+1 Id & (h+1) geh+1-6. Fol | bId] volste men sohne flis to ajold gild golf für (har). Der Zufuspel iffgir Ludu. – monvent missen Zufriget für vorgindet Lalgeringen is Torget Bour die rich vur & ainominal coff unimunden min (a+b) = m / is (oub)! = (a+b) = (a+b)= = mor = mb, mark fix uniquel muis

(vot) dung vi! volu 6! Buille in Human muydown to bullate uf (or+6) wow (or +6)6 velop inthe haperful danieles (a+6) mid [(v+6)! artd/61d] of their win luth out muft duch mi Swarc (a+6) mid = In Depresent: foll nun durfm! midiet mudnu skoutt ville unigelien Glober

midiet my sollen. four gubround in downs

midiet my sollen four gubround in downs

midiet my solle uf bukoun = 5 vib! a . 6 it =

m + b = m , ville uf bukoun = 5 vib!

vi+b= m = 9 avid 6 Bid in mun d= -1 40 ins In roug to (a+b)m= 5 [an. 66. olle min Enfrebel fin binomiallatia

134 vinger Toet mend unignminutil burne den meich deb binomerfilm Tolfab glir Neguting Caponenten. Vin Lufwin Inw fifework to larifugue buy half in das mis gullafishund frage min num (x+a) (x+b) (x+c) - in min vella.

function gurband al. unfaility of Product
mindro in din factoren zi judnymi. frig nin Rufort dar überesandns Ann Vingenieusen gadunkun. G. La grunge . Theorie de secations dis forme Churching an moudan in on Brasis mis brands Ef. Euler finlanding of Ragon do Vennudleylar ud jame memoiver de l'academil. des Ignoria bufduft 1. m der frage of pada filmos afeling min Quiplisting gi. buight muse den Gl: you velly: in seas on quadr. Al. xx Ax+ 6=0 is is X=-iA + ViA2-15. Linga Loveryn ig Refusingful and huguingfull morrow Jos du Gl. X + Ax + Bx + Cx + Dx + Ex + Fx+ 9= Simila Marth fo fort & min horseform shouts & apriles Jude for brings.

Jesutif und lorg to & unhundrunt, I mugs. I van man pulean due if ifm shough July prigne of der must never to gan ollun Coff A, Us C, of reblaces, and no yould min justicum mosagines, din moleruf with mbub: Ogenuhanen mul suffer on Swith X myself In Gli denlyf I shage, min mind hønolfe skir it agningm? moul Then gains main of nin honest is Inv putt X yay. In of D: moult, No mon at + A 26 + 17 25 + Ca" --- + g=0 and drafut your anyanigl enlets hist grabs x- 27) + A(x-26) + 15(x-2) + --- + 5(x-2)=0 une bright fig jude plainer durflet-d)
efun dags drudinen at ab andrags dni der (m+1) en migeln din Ogl: 10: norefun

orles ministe muner das man Malfin 176. Juin . An speuellen kinnen nuings unfurered I'm all luight for reduced outif (x-affa-b/(xy) wow willen Frankly wlary Juin. ---- vely's nin Jufarry to when fruit a wright mind din dantife fram Ming along wiffer tim if mill in standa dingla gi ortifo = form mulminda d mulesur som sin stand reell von!
magnet, oder west and was hugrange = /2 was = 7 or dry. fold burn in fru der Lieby of man din Call reell fried for fried din municipal musting melaguedok veell vour igt ur imaginer for its as min = p+9V-1 now, po it 9 wante Opp ne ferlan withy while & (x-x)(x-p)(x-z) -- == 1) in No C. xm-1+ (2xm-2+ &xn-3+ -- ±6 (2/3, J. . . ) 2) No unifor Ghirf: of x + A, x m + A, x m-2 + .... An=0 In onificatife movine full of gooding on me for the sto word obragio and dring apagoring m (x-a) (x-x) (x-x)-slobyling ist den fundt 1) in 2) drafallen No us -C = A, drugur ofna din Mudzala mudfu zi kint nu kona af for damme C2 - An in y . L. li ( = (-1) " I'm & for doub Clementen Velys - Inu Trade villar Byrogel

mid dum + grufur men me growing zueff if - zurfur mute om mude minger 3. igs. Correlpe grabe over later Of: in factores gurland winds (murzelmurly, muit muis overet aprifuld mind its unga forth it ha Innshow full. mid field if nummer factor youthinker you = a if you droudes if dring I'd it robolle and Go wir num Grow windright. Ex. II Loud a der fulaile Gulert zur analyses on brunds: Der Bredmer memoirer le La Grange. Theorie de négation, numeriques. La Cranze fort unificio mi dout din Coop Al Az Az ut Din morning with mil. foll other in comotraffic functionen Diaja symetre functioner full av zo-amos chafoundall, will ur i've Knivan yalavers fold und millan ugen mig ungalen Monnolfe deel for Justin my ulmigne slimber and Ruller I'd on Ornologorba men never out amos Of: want rynghunde mead for It's dough him fry une/freight foel vous den summe je 2 Hangulmusten de anjaun Mugat mustfu der 2 Gl: find S. L. In M. Jones & 15 17. S. Jomen ab b hummen ginds und fra mind harfafun remb (x- x+/5) (x-2+7)(x-2+0). ...

138. min multipl: no multilling mid lindum mun gli & 62 good die lack murden mende synetr: functioner, ind monded our min juda symetr: Murhind would of by. gripeninengryful maroun Rour, mun symetr. Burbind wird Comb you a suit of by S To ganifle no mis never die Cack Des John Ol verynham kout upon in Bones Afr fi Romand . -Lyrufion gri Te 87. din formul fins yougu Chokaugue in a mit de (a + (m-1)d) mi -d m= x-β former d-βI-d

ad-AId=[a+(a-β)-1)el d-βI-d 1 at d to the design of the series of the se v./ a+(2-5)d | b+d [a+(2-15)-1)d | dI-d sour mui mour guff no He woul from I min.

grubs [a + pd + (x-1)d] xI-d = (a-pd) dId 139 [a+(b-1)d-bal] = (a-bal)BId. Mui(b-1)d-Bd= (2-1-B)d=-d pli ma a diel (a-Bd) did (a-Bd) did fain Jumis [a+(1-5)d] DId (a-bd) dId von sin fin mulliplicable worfer (a-bd) did (a-bd) + 2d) DId som mulliplicable worfer (a-/2d) x + /2 I d ad Id (a-Bd) BId odar nur fin mulliplieabl gir moufund (a-/3d)/3Id. (a-/3d+/3d) de som subjectionel gir und (a-/3d)/3Id. (a-/3d+/3d) de som subjectifest (a-/3d) d+/3 Id mulifut vinel igs. -(ox+(m-m)d) nide in Con= q-b for pour fordient single milys willings - from more mun doff: fault in.

140 am+mid am Id (a+mo) mid, volum a(d-p)+(g-o) = a d-p = d (a+(a-p)d) g-b = d (a+8) - (p+8) Id (a+(d+))-(+3+d)&). 13+d Id = a Id (a+(d-13)d) (a+(d-13)d) (a+(d-13)d) (a+(d-13)d+(3-d)) Ja + (x+y-15+0)d) ord fort (x+y-13-0+0)d) BID = 2) where multiple in deviction men langua the Drinkly and at a nid (a + (a+y-13-6)d) of d mid (a+(a+y-13-6)d) of d mid (a+(a+y-13)d) of d mid (a+(a+y-13)d) of d (a+(a-13)d) of d (a+(a-13)d) of d (a + (a + y - /3)0) /3 I d = (a + (a - /3) d) /3 I d Non 2 air domintly find fift of his formalls
(a + ad) 3 I d (a + (a - /3) d) /3 I d = (a + ad - /3 d + /3 d) /3 I d (a + (a - /3) d).

(a + ad) (a + (a - /3) d) /3 I d = (a + ad - /3 d + /3 d) (a + (a - /3) d).  $= (\alpha + (\alpha - \beta)d) + \beta + \beta + d$   $(\alpha + (\alpha + \gamma - \beta)d) + \beta + d$   $(\alpha + (\alpha + \gamma - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + \beta + d$   $= (\alpha + (\alpha - \beta)d) + (\alpha + (\alpha - \beta)$ much your mongereful mout

hurdylling. Din mushifing bulivary whilly min this al: A growth mil my fire shi gods muil du min af dut 10 ha god mily Enfrienzands I'm Lagrange methade inf work much winn method of Murderfand in andried In Canalyzio. finn gamifulif a Methade in dr analysis ing me min Venlatouts our but, 2" drifin gå faljan 3. S. Swelt et = 4 + 2 do kais ing of x dry à ye. Emidan mind work fall only it = y. I lufordood min der integral Anfuring. Jef Hvan nelse shis min Ventendvinken nkyet gi unning zmark vunnfmme - fo yni dir reducite cutyfu Gf Cofun x?) 1 x2+px+9=0 Part x= y+x gint! (y+x) + p(y+x) +9=0 def. y 3+ 2 + syz(y+2) + p(y+x) + g=0 ndr 3/ y"+2"+(34x+p)(4+2)+9=0. Othin Row if Convergence monther of July 34x + p=0, No mind inform Of: 1199+97+2=0 Al fell din Markle mon & w & funden din answer on Die Martel you it lengtom me ufdanta velle om al 2) in 2 gl: 3 nd 4 manyourdale mil & Venhallauth fut eliminist mon mu mir 2= -5 p 9+43 =0

142 avfalan mer du lufte af je gundrad 4, (g) (4) + 9. (y) - ( 1/2 /0) = 0 ist mun 22 Gr man go milalvist is. y3= -19 + 1 + 92+(もり)3 5)  $y = \sqrt{-\frac{1}{2}9 \pm \sqrt{\frac{1}{2}9^2 + (\frac{1}{2}p)^3}}$ 5; No Z = - 1 / men Z = - 5/2 · > - 19- Vign+(10)0 X= y+ 2 = velyb = Jasolumme dus Martifa. Mun fluitt opvur din Mazelu in dun Thumany well our doch (a-6) (a+ b)= Jur Culith Mught mid takaum 5) y= \- 1 = 1 + ( 1 p) 3 Distat muit mome din Candanishfor Londonal. Mous mælluri form hog nokt

orgin hatvorfam mir fabrandet. vin Va ford & nunsfyrndama Mondyn Lungais. VI ful 3 mandform Agarth daing languagement with pure on Martin Dury municipality of the pure work your & In gå lub: nofobnu mil grubt if sin Mugulmury. Dre min N'= 1= X-1=0 Int is un whiff Oft: no of fact & somety Do una Must is I min dung Prob. Emplo Di fluday isp. vely  $|X^{-1}||X^{-1}|| = |X^{-1}X + 1 = 0$ N=-1+1-3 morb ginns museffrann Mustefu ignobs Murly for dan in mun 7 ys mendet. rely 2 fort o morale. In a = all young Va = Va. VI velo du Ve os Amurafor ford you ford owned Va. VI owned & Branch Dugtellen ogts gliv juda men Mjurgul. du V mid + upmaan me mend me more 3 men Jand - your m. velyapord y I may wafer muliful our faire mings

dari 5 if frequence out al 4, mules you bands into med y over to multo food. viel dam Jullene aminda ford omis it is 6) 6 Mnorfn. Ofthe showing fif ox = 4+2 An Die Maleju you /1 Du nine y le manoffrance med of verif le grangles. lie yand 1. - 2+ 2/-3 Marze ford do gubin fin mnings akel 6 gardifradain Summen vello & munite ーニーシーコ & marker forland des droif & week & hopely for full dright with you for zalvistel. Der et min mift iz lnifyalding its more amore le into mulifur Mortf you it miles grine Mortf you's sinfman shell min it za kakaman for grindight Robold Is X+4 millkripstif adire za kight mint miles defullate uphhan mid alumn 6. (-1+1/-3) 2) 6-(-1-17-3)3 2) ou greats: gent 3, und in for toels four defullation fufran. -Orland In must 5;) 2 = - 3/2 lobylist molylun ) Dav ja y adrol x In 6 Marth wing y ford - 3/ imm miner souperson Mass if fix & infoller, to soly Its mow din Drum undling went landani mild oranafrime kout fordand din severing Rufa Lavar whoir hings. are ilf min ours ding dast fair I very mulifu Mustfr stier og infunfalden My if 2+y= & button gt 14%.

Dryrestwin zis ven 91. fechniklatin a fincon 145 aimit Id = aimīd (a+ amd) in obos aimīd = amīd (a+d) mī ad  $a^{2m+1}Id = a^{m}I^{2}d(a+d)^{m}I^{2}d(a+2md)^{i}Id = a^{m}I^{2}d(a+2md)^{i}Id = a^{m}I^{2}d(a+2md)^{i}Id$ pap a2m+1 Id = am+1 I ad (a+d) m I ad a om Id = a misd (a+d) an isd (a+rd) misd . Int a mit de luduelat sout at moment fuctoren winds a m t d hadrilat drust ab m+ m+m factoren minted

min druna judar min d arrivar at Region if min

but i said drust file 13 at infinite a (a+vid) (a+bd) (a+9d) i 1/2

drust of my gents, be hatour if a m t 2d

nafinia of drust drust 2, 5, 8, 11 set infinite (a+d) (a+d)

nafinia of regional 1/3 hatour of (a+d) (a+d) (a+d) (a+d) (a+d) uf

nafinia of multiple drust of 1/2 cll infinite (a+d) (a+d) (a+d) (a+d)

nafinia of multiple drust of naficile infinite (a+d) (a+d) (a+d) (a+d)

flow of my that to infinite infinite (a+d) (a+d) (a+d)

flow of the state of mind (a+d) mind (a+d)

nom id mind mind mind (a+d) mind

above a = a (a+d) mind (a+d) mind (a+d) mind

above a = a (a+d) mind (a+d) mind

above a = a (a+d) mind (a+d) mind

above a = a (a+d) mind (a+d) mind (a+d) mind

above a = a (a+d) mind (a+d  $a^{3m} \neq FId$   $a^{3m} Id$   $(a + 3md) = a^{m} I^{3d} (a + d)^{m} I^{3d} (a + id)^{m} I^{3d} (a + id)^{m}$ abacylo  $a^{nm+17d} = a^{m+17nd} \cdot (a+d)^{m+17nd} \cdot (a+2d)^{m+17nd} \cdot (a+(n-1)d)^{n+17nd}$  $a^{3mn+3J} = a^{3mJ} \cdot (a+3md)^{3J} = a^{mJ} \cdot (a+3)^{mJ} \cdot (a+3md) \cdot (a+3+3md) \cdot (a+3+3$ 

146 was villy min der of moud M ordfrings

170 min N= M-1

mon + NID m+1 I nd m+1 I nd (a+10) m+1 I nd (a+10) min

(a+10) (a+10) (a+10) (a+10) (a+10) (a+10-10) (a+10-10) m = (p-q) m = $(a+(p-q)nd) = a^{n}nd (a+d)^{n}$ --- (a+(n-1)d) p Ind  $(\alpha + (p-q)^{n0})$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + 0 + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + 0 + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{q \times n}$   $(\alpha + (p-q)^{n0})^{q \times n} (\alpha + (p-q)^{n0})^{$ an (n-9) Id (n-9) nod ) = ah-9 Ind (a+10-9) nod). (a+0) 10-9 Ind (n-9) no  $\left( a + (n-2)d \right)^{p-q} \pm nd$   $\left( a + (n-2)d + (p-q-1)nd \right).$ Thu as an (p-9) I de supatione (a+0) p-9 I no (a+0)

Mus mullun mother fruite muly In buydan Glains: 1 y 3+ 23 + 9=0 zio monfrer und mis Jufun NS mins Jefballur a 6 Jummen glier et mit must mingthis Sight to Agust mind bun and were (Morfun = Jun much frif out our Lower Das Oreitsvinka glier y not ar. ajubs Dorfolle wing analy lighter hoping Julyrigh Marlin dru den krydner Egla gunnyn. Din Ogenet find symtheriffe functionen douvour Holoft veril our il & flute he durch if want y majulas 3 - 2 9 + 4 97 + (4 p) villain man is observed of min 3 mission son so sholing mills drip dru V mushun shirity weed Inthe Brisher Byne man in y + Vapils mulyer znufnie units on Vin Z forbour? Centy . Ince dant je mid & den agl 1) 2) gir o mont mid et nomulat firt byt spir 7 die / med +(1-1)

Die 2 da age mings Bunfan In Cuby Show Summer Just stand omnafuna mail die morel vint vind ygiss miff = 1/2 dan numorligg at +2 vudarnorl Jonnila Ochofogocla 113+au+ bu+ c= 0 vinfyulvifun Just of Off: buton of mine min muin - Just die Marguelmonthe das manuel = Det Jula utp = X dan der u gada das Somolfs Dar olls: 9: if for if ut p = 2+ 16 olly. Itai

Murden find & me naura of: olly u= x-fo 149. it former inf part et , x-p suga dollarian  $\frac{1}{2} \left( -\frac{1}{2} + \frac{3}{2} + \frac{$ px -pp who x - 3p July ville ulm of, moderny dus Couff gour of if pln vely shoth p za vordung mund Coef you it so velo de Of: mind x3+9x+r=0 mund in Kom. Dengela mitskynlight 3" Christyvilen it + px + qx + r= 0 vurkulirfun mind douban smil fine den Candanish methade own ander no mite should & wy to fuly me men down fin function with jude Most your of the startoren juden my man my your in (x2 + d a + 1) (27 - d x + 1)

150. (mil L'efell. for of gir norfelje de x.-a.d. mil & x' mays ax for muly one [vilino.) of multiplywa w bakama X2+ (13+9-22) x2+ 2(7-13) x + /3y dins mings - Juin . X" + px2 + qx + r velys mings 1) /3+7-2= /2 maydan. Din Glanfugue 2) d (7-15) = 9 migran verifiguelight mm) (min Duiborruithe frie 2, 7, 15 3) /37 = r ) za frien. Drus Vnd 2) mollun mir B nd y Arndmir Den hønseln m 3) anhales: p+p= p+a mbutt john if In 7=1(a2+p+2) (inbulicist in 3 1 = 2 (a2+10-2) Jymbs 4) q+2px2+p2-92=4m Sin (a+p)+ 9 (a2+p) - a = junion M) morm anduls fif in abilled for fine 6 mg offer and for fullarione

mis 6 mil amin faiterer den mil uminudes muldipli un us den fanit get yeben (muil 2ª Classe ons Combin: nul Mindre ges with I them: world b.) on ut mir mur for mighton mingher in Sin Knefming our out wey Pallen Mond friff mine din Ingurle stier it is In without fundor where I Orade vely die fund zu X zu & moufan, und veut jud nu failor Shukuin if a Murife weld griferine 4 books ala Loomalu falles mundou nue munici mullanthy angundars man in El 5') michagilish on fell. dinfolla avolder briefl: Kreita mon with 4 de Charlyeron. & + au3 + bu2 + cu + d = o virificherfu Arren July short 4 = 7 + p vely X = u - fo Sive sudshit in Im Al: in soly dent den lack nin Z3 zi o moun inf south of drus nickfright July ji f. f. min frifur. billa lipana Glaif: kvit mom inflower files ling min falglau fins

159 Rumarish Glaifung un Viela 6 Methade put min unthe methade as Trindan weef How Leignange, in is now manyan Jufman gen Basur skinifart dafran un takedam wounteurs, mi Gnisku our unitarion analysis for wint dut ouls unquen forfindance um gentlangs fort av Viela suff anlagure. La Grange b Wentfudu in ffun Carth Jun ymudaning signam igt in mendladn skyvet mould ur dru Gl gå o de if no vije Sing, mould ur dru Gl gå o de if no vije funt ignobl fin aluguit positives g xy x2+2x-x+3=0 yo July in flois X 1 jo hubora inf + 3 2 youl if -1 to med die af: no av muft prosedes velsti if July oprisan negutive smil 23 Jo yours mund, of mig diver tile ming blands iful if -2 mod our Murts poacher in Jordingera of dre groungere mune muse 3-8 verif . - 2,2 w - 2,3, for lings our nouse downingfun not ist = -212+ & sind ref Ala mo & shaft drugue hyrtel loughe much & Renie in den plane Podengen you & veil no beforeste niew numberly

und dreue lankourn of Raid at zimolif Junounun Myn 29 - Billy warm In our function for the welst drugle La foi a mind in a mue most du ymulis La gro moiss to is & fullow morf a miss fundamen at the full of short & a fois sa must a fat of short &, (a+h) to mind f(a+h) = a sund a is min graps, Buftavmirtig, h de Suffande Efiel. Inn Hath) kom af du form guban Ha) + dela. h+ dela) h+ loup if dru of week mil for plain ful to blonds. f(a) + df(a)h =0 very h= - f(a) four if Sould zin bindra. Mun kom omb f(x) den funt offx) biblishun et appling. delight vellar zill blut skir nya kolonym, skir viller kolog: opribt om Diff: Dehrf: Orich officials. Vie mentron Gravin, In Megale poline min mint ur spagnallun willy aperforest and fin so out y preban if a negratio to min Noa since union form I'm more under moremen, much him vinginger ofthe Mis zalutes ind must Fat if outailing love in of magnes of lane of mulling well down write mi neg gull

152. Juda Murgal wind - a lought fix wind 1/61. ziv udefufran unfurlif. J-a = Ya. Y-1 gor V-a = # p+qV-1 mun 10=0 iss 9= Va velo vanlle zorfenen. for ist mist noughi murfue. it messent win aper uf anglufon, my apeniron Int outour former gulourgust all gr Der form p+ 9/1 bit for forther fu der oft men 5' Grande Dilig. winfrol in Out or with flir In in butouten yurbundugung who ist or weightight outson our and florerdan, It ming on mir mis Myne mus mulle und imagniere zuellelle mer Returne, favory of al on my our Simulta mulylufur, din miff reell find ? Judu imaginere grundrmugul Y-b= VF1).6 = = \-1. \16 = 9.4-1 muil 16 reclosers = 9 is I ognificand me out miner unvarious Extensing ight = p+ /a if din Va med for of villed morall if fin magnes folish fin ful day day du form g.V-1 loverigue. vely in drugh Lidguefing. p + 9V+1 your vellyamine me to mi g haliabiga reelle binbornels , him) Commissioner main a Court a+ 6/1 20 0+ 0/-1 migned our vinif Operationen yursund not

murden mur adore uder fubl a±c +(b+d) V-1 =  $\alpha + \beta V - 1$  drughlar Bubb. muit mur muldyst hubv: ac -bd + (ad+bc) /-1= (me unignment med Its Vo under Dola = Zunfon Jock Sword mind a+6/-1 surfull = x+y/-1 Nain viero minos a+6/=1 = (x+y/-1/c+d/-1)= = (cx-dy) +(dx+cy) /F1 of your who who as morphel is cx-dy = a did + cy = 6 zi moufun Dun mudue din auf or: wenkijf. weel drogen mufungen byl longton sig abor folifa reelle fundant for X in y so of Den aflants donling huror. Durb in on mittaile on wilays. laift us: V. In deut smithe sand wird dur form alvir len. Houted whe wiff - if andown bu kami Eful aut dann den form hay las By feele win die form mufferegt und dayforth dra form set linkbut vuguerout un. Mulhade mift shorts:

dent of inhuguings 4/5 p+9/-1 = p, +9, 1-1 mm Ju amplican Tpula wenker for It. Dani muiron duch mill fo minda and olana Gf: for vough (p-p) = (9,-9) V-1 der min g = 9 up yours no wift o, vely light of fif! onjugitadiores p-p. = V-1 velo mua reelle spell amas miles - most mis fair hour Jun ab yeld mit man for g, g, p w g, redle for Chance Calf a+b/-1 kout if find garmoundaled word down boug (p+9) (p-9)= p2+92. velyo (0+6/-1)(c-d/-1) - (0+6/-1)(c-d/-1) = (+0/-1)(c-d/-1) = (+0/-1)(c-d/-1) (ac+60) + (bc-av)/-1 = d+/3/-1 Leven Pakengeriaer if men bis Mullipli Jet grafe miner Winis muil and its mis bothere. Gif mangrufa of ub Va+6/-1 = 2+9/-1 would sof of a+67-1=(x+yx-1)=(x2-y7)+2yx/-1

15 orly x = y = a 2xy=6 dar geofagnede Duly burning of din last = fur ind of alfo info die of wer human vinder Hynge, Din by wer Arolf monther blows.

Alin mish & mon die after windling men of gui x+y= 20 veryo 12-y'= 40ls= at  $y = s + d \quad \text{only} \quad 2s^2 - d^2 = 6$ Somist if might opmound onders y= 6 dus Mull mystes in x= ax -46=0 x= +a + V= (a2+ 61) unfor inf dub - zurfur in der 2 Mangal ufunfmu dia reellen Mutler und monten din

158. Hugur of du maginesen Amurela fo and down of fruit & men imaginise day hellen much yy-1 mun ind y ound only imaginer order much /- 1 must mus seel of Tulber most it mois Erlich holy to in Olly: ont Forlat don's gralungten, In ballow if his judner Marty que & vru form p+ 9/-1 dagnange forded nomingun var dut de jo + 9/21 institut villa reelle land to back if y a fala, und in g reell stransful ar villa in agineren durb transka ment min fine dentivinde of domin willan nind, mind oclegamenin yulkun, def. fir villa sperielle formen, sin miss bet juga forther : x 21 this & How of m gurfifundance Cardoulle or for p+9/-1 Sindriden vella dea fignishe forband sout for mis om julie 1 galin dans + 0. x m-1 + 0. x m-1 + 0 x + 0 x - 1 = 0 druger if a were about yould she girld wit in mother for bourds you a if infinity in my wind you will your of no holding

if m many John producte in the fal 159 die m Mulle jhu y. 3.8. (yi x4) m ym x4 = @. 1 = a) For wings men a a m alfabete zorfenn spin Ma m Mush Judow, oder monidie rind fin is sin Morriett med zorfer mi for quadratique and wind mife mine spenden Mart Ris van vellege speljun. Moun from ville Marks you for man in my orlla Matta millept vilo Oliver dus Eporie dus Of: llorim mis his awight of well marken findan gor din nou d'e mail (x =1)(x=1)=0 unif N"-1=0 yubl  $(x-1)(x'^0+x^0+x^0+x^0+x^0+x^0+x^0)=0$ Andy is din Motte fridam. Afraga de

Sufren der Unnudligen Analysis 160 Garmendala mir 7 in numa denmalleref In hukewine one in mundlefor Mufy 3 = 0, 4 285 7 1.4 28 57 14.28 ... muil mun vellyubs: tumme ist in way langerishme and all in mundlefor fortheight. Informing Drift yould wine backing Must wonly Ty. Drud wir mid helynd thing an much Helly: med seles sim how welled abjunde dans unfur den Denife 0,428571428 .... 0+4 TO+ 2 TOOP + 8 TOOD + 5 TOOD + wh 0+4x+4x2+8x3+5x4+ volet nin geroller Local das Anifor · A, + A, X + A, X + A, X + ... dinge lass daif minde mer bufus of for mindlift weel Johnson lact to to it willowing, on is Mush ville who imas you do fain ja+4/-1 ig die Anife numinist

An In numer: Raife ist soul & must in: 161 hughing orly furt die Raife most Ormen Months Months value, Dord our ange surgen hyart april, vinif helife, Sto bois & Knimer populs ford. Im ungane dell in den convergent fin ambra divergent. Die ganjufalufu definition of Its man i'm get muffer of du duly divergent, dusting wing Dan Grouf Ann Den actes, for fort is Rrife. Karrian Month. Mafran dit actes vel; vol selew din Chnife winne dynoof fort wier mile, wit is suit over our ale 3 - 1+2 + 3 + 4 + 5. in orbinafrand and durf for for knimm month extole if mil convergiound. for you dufine in min mour spra John What you ammurifue of suits dough muis am and drouble winn hofully food volor verif vine dem dentors: Jury a ragryngue Ruff ning knowlaw only basent frim Jollan) den undere Greve. Das Amfur & Life. Sie aherone fo wird such multiple min a get danmer

Dwifion du mind: K. doudrien mid h. fift ninn un undlich Raspe dansfullenn Kurm skundar bei mid Divisor mullipl inn Sevidender wents z. t. 1 as + ax + axx2 + axx2+. for full more bo+ b,x + b2x + b3 x3+ In down of buch touch in Jugudan and Marsh do + dix + dix + dix x2+ n/r don's dans Couty: Def. week -- = 6,00 + 6,00, x mundel or men. a + a x + R x2. + 6:0/2 x2+. + 6,00 How for Trulan Situation b,d. + -62 do + - for mings wind do = 60 do 1) ay = box, + box 3)a2 = 6, x2 + 6, x,+ 62 do i for m Guil 1) funda inf do Some one 2) do ouis 3) de & = do much more your migher Kværen dun full mom in den Rufun ix = o fo mind to = do Justituthe to + 6, x+60x = do+d,x. min & weigh bugture tuldare Subtral Dut vind by one But wo dail & Friedran will I had what worth wouth the form Mand for &, bothammer is figh. wings Mayorbana John Defenencionan

New Coeff to Krem gudan many perban vely very = 0 your drive minds \$ \$ 0 = de soin grays sail doubs do = & , do = & a/g. is dur fours much du Summe par hundle buil tundy dain. The winds week on Ruding unfl golden by =0 % in m Bl. # 20 = 40 x0#1 60x0=0 selfs mist omf a = 0 frie den moirer with valuation in a an info =0:0 go ngigtirt kuns ande non der form in lo = 0 fo mu (0 + ayx + aex2+ --ao+ qx + a2x2+ 12x3... = 1 ao+ qx +a2x2+ ... 6, + 62x2+ volen vill In graheint men dus form mit & mullipl:

Hum andoffe Knifm Vinhar Cunucy on dus Anifum yenter why monning wife his july in mound surfly of Ohm myarround unformen Bulya onighyaftage ford on Glindar. from Judy Raifs Blat Gromer mill if di summe de noglander hunder for frude uf den plumen ud mille mudge flyni . P= 1+ x+ x2+ x3 ... x.n-1 Lx = x + x2+x3+x4. ---- xn-+ xn S= 1-x" pf= p 1-x" = las Summe des prago: gent put velop numer Marth In fumme ment win function you n. In Summe dut on Alinda das mum: muife if 1-x = 1-x -x is - win x / 1/2 fort in knime Morty den je gofters nigt of XLI sun if it X X X X o for as of fif it wines du o me mis un andlings

dis n in undlif mind x domes sun Andrebowl igs in mafer int mis gland Danka Jugar hunger munde du Summe = 1-x mail down X in no major davo = mior igh x=1 som kru if mil slavngru muil 1-1 = 0 mid during o burgh inf mill oraninen. Jos X=1 for ballacin ref 1+1+1+1 innel hors, moremundo July min Su phylogo of he from morely X11 Mulliply In num: Things Durf for for min / (1+x+x2+x2+x4+.... proving vall oder imaginer frie son p + p x + p x + .... met immiliefe umun agust man X LI Kaman mare &= 1 In Right At + Ax + Axx + Azx +. but june Boot man X man will muchos villare Coeff inder villare in minudo. vibrafund selfe du angla de grafile ils. Ann the dar min In yorkhu louff the for Spoul of Den Rough

ble din Rough Ao + Axx + Axx + ... orlanded mergind min & = 1 is mil outynmoup, but at if In unknymen synfafan Svill mirglif man der Calf It ungmound moderne. Dingut knugnigen mings norg mills of mill of shows forken dis. & much if mill of ships of 3 1+ yx+ y2+ y3x+ ----, 2in (Rough fort winn brought month . 4221 at blout velope Z yo yvogb fain min ab mill moter mis y 2 th 1+x+x2. Int wine blind deif Such of orfunge and they are the wind with any with the Zorth fly bland In quality dun of groups and win not believed for grafest if Ivel on unform, In in die Raif concernioned de sunt or order of sunt of him miles of any miles of any miles of any miles of the sunt of th Swidine, July al In qualient 41 &

not unduryfries ab may an villamoel 16%. morf flammer omned, ju granten influent in unfur Dand slas din help some is sting some of the sound of the some njeg skritt og in down noton Gland n-1 Julan Lough den Glor volumburne, but vell grufun Var Convergen ju nafmnu, ig safe skirligt no bringfun Aus anjuly drowings wife gum 12 " Glinds on you wildow The win Linghfurthruffied Inv sood myane afor ys, 2/2 does fulguesh dat gurfangafunden zaprestverfa int, Andrey mind a Epilan der worden Gril Ant graft lingtonst orlør den griget holin mulland min order kurigralus den Convergery med un furfun. fo for 3. 6:

Agis unfinan dob or halfinddus Rings and dranders of duit to (m-1) har weed only glyns of I may a in Sub Colon of the one of the mut of the flow of the state of the st der grafund med desh bleus je vjerste if n rugur sid der Rufe conengrad, de groups vuy al En/-VI+ = (1-x) = 1+2x+2.(2-0) 2-1.6-1/23 + Du Ruspa Iverged mun de . Och what Var Omborgants vine rivelly barkinstrum & pay In one doel on Ruife winnedig yours. Sharp die duf lour unf course gent apris Vi-d man by arreall ing ord rends from 1-0x = 1+x + x2 + x2 + x4 + dries/ Builon in vinf dueny: man xy Gels levie uf viet das drotgirenden Anifs wind In to Louisvier doubt wiff fleastan die Musten dinnen mit wendrif frie velt mail dre manels haife kanten hoff.

Ho grubs to convergenende waifure from of themb Orinfesels wit dam Gulerola der before maken arlagade: en duce Memoirens da palereburger Ctealemit. Lord morn vince Ruft No 4 AxX + AxX2 Axx2+. Den Cach mill fillers int imandeifr symple of as no might fillers int imandeifr symple of as no mayber one of river place reports splan, of mais As weef to Wedin in men was wiff =0 lough does the flind forth In Summe villur ilv segne Gludn. vat dik temme de iberg: Oglds if lovight for Nga. wailfilang Sort on ilorigine Blanda. Af Af Ag X + Az X + ...) fabre inf-dun syngha Couff the wind wind Sulka min drugen Cheft sports villar omdared Coeff. of & (An := x) vinshe dumme igt vell die is & Hryn Jumme, ig nun A auf & orly the in I so in Sur Port Conjugar I f. ito = du i-x+p int onis de glife. light girl & finder

140. And dans of all motion son regular sulla su mert um Corola num de zumegne Bolghe if. unforlig af umba dome it fullfore Asjural, des doub pla de agoiogsku igs Lyoul of somi Morte &= do + dih + dih + azh+... G = Ao + A, h + Anh + ... # = Bo + bih + byh + ... July of governed' Lys Mush dies dings your For & zundfru dur hof alfun das Anfan Gw Hlugs g gland gud del. druß A= Bo so is onif do = Ao = bo - Den vor fig so of f-g positiv der fZh so 1) f-g = [a, -to)+ (d, -t)/h+..., a) f-h= (do-Bo) + (d, - 15,) h+ ... Anifr. og sære min (20-Ao) positiv, do fliste mom dam og folipu Marqualue Sys din grupa Ruifa seg profilie mis ode

du mun (do- do) = (do- bo) je mindu velje went do-Bo poplio yn ywork of Sin ung kurfu 2) pufiket om ciera meet hurft spin dom dom spin is megalio u, of bean vely (do - Ao) much professio Juni, mvina (do-to) negadir, so mindu dra Anga I negrikio dani kina mui nous dans A union Aprof durung men de nim de-do mender fref mer fain kom for mingty ut = 0 de f. do = do frie Weden kut trad uning demandheren miner nuch lengte Deficience petitue full, dois find und in Angra papawolin In angra Glis pufikir dordorf nins o an andren Sol muka ig Diefus jog med angong under bei langam ne Out Kommun sligged mo moun ainen zum orift belist a pip blee 7 blge at Leit ville min snuttil, Agis mig our morb (a+6) igs. = Impan-6/6 mun m abfalute gryn zoel ys. Der laretik. And mongree lenlaunf du ny 06 kinomuin (+6) \* unlar of vy abfaliste guft (+6) = S(x).66) jill in din frage ut Var bulg gill man & nier negatives forfing 172 fo fin (1+6) man y= -x Nor win a-x = q x / ip (+6) = (+6)x. = J(x/66) = 1+06+062+063+ Juffer w dunar and welde formuly duge dunderen mundet men so fram Dur milago: Cacofficientes, no your rafulif= SC for I dans 1= S(a.6"). S(a.6") = S(ax.6"+6) Du vail for Lingstown vantus mift out in folge dan Zonfan zun Other und Mur Julan short or +b= 1 your wings 1= [Cor x 6.6] . fell dreet faire for minds der carf you b = o frien muit miss mill to up of a mich down mill de Coeff = 1 fair i.l. Co. x = 1 w I Cor 4 = 0 = 1 xuz-1 bi-1 Mar mir nu de (x+y)mi -1 - Lung = m

if A+y=0 to buttom no mis om 2-1 0 = S xu. yb ifmore flin m folgen much if mill-man on your propline zoll is? Atufur (nighgords mous (1+6) mais y=-1 in. Mount min JX 6"] = J Cor X Jalan me in Runded wurw coff nort interferent Jund in Runded wurw 1 = Jan hadvar mafradis fix f. 6 broken wow 1 = Jan John J. J. Cor X = J. Xing C. 6 broken (1+6)= (1+6) = V[X06"] = S x or Cf. 6 Invenier mymber juf Xo. lo- 1 mui 1 = 0 inf. Of min och & Xve lb = 0 Druge Of in Depret van minlan Glanfig. July Bound of most prinderen ny arty alistrick 2 ajunder unsprise vi=0 6=1 ades p1= 1 6=0 N= 1 6= A if 1 = 2 dring gulf no 3 af: vr = 2 6= 0 vi= 0, 6=9 wied to short

dufne folys days le= ye= ybs-1 174. homan min y = - cx Ny x+y=0 oly mind (1+b) = 5 y66 mint Involvinom: Lafo fort winds, I'm wild sund was be Luly main der Eapon: negative gorff igt ver sur b: Ruf smit skir Exp=0 giet, /s den bru Robert spår splerenfun for sie bin unisper synt mill afn spun spun spekvorfuin Robergan mass dra formelin barry air fure. John mis Shallow at ough wery & fring morb us mill auxujorla Moin fell of x mun & = (a-b) full gury value munder in At Ax +Ax x2 + Ax x2 + ... mon migs when my grugan, ob Jolyn Brita viis at your mily ithali undglif info. Blum Joegs up Jolefub ninmoglif for mind more and lathing der Cuty with Mindarypaints downer. New Oben in anisposition de jupen analyse grighe It julife Ringe mil my wishird mon vine de Coeff fix ofur my Inday with Lindru loutin. If infat if in baryanden

Quitivity mixing of sex = (1+6) x min a-1=6  $x^{n} y^{-1} = x(x-1)(x-1)(x-3)...(x-(n-1)) = ...$ Die J(-1) & x v-1 - 6 word sur bull form out ax= ( bin = 1) t C. x win druge die clar buff you x y wyls brown floors mil mus of selling in more, of will arround hours ming. n mind = 1 dufur ming b = vz-1 dur quolient mer Store (-1) vz-1 cu-1] In Ca-1 123--- (11-1) = 12-1! doch du (vi-1)! - er do mod dar Coeff for (6) vi-1 mo er ruft o fin lour tud our Julyer ort of for fullowing mor st -101. bort on run ve viery o fair king mo d = 01-V del mind froles Taganilm fair your (46) den form yhur at is mid segiene, mail de now In found thou at nout kolumn

mour mind our ax= S or X" sin lasticiender surfordam of & myth or was I'm boyden Out druth der Lyly murden who a's = sign more in mil to sont drugs antfoil. whom fo - ax+y = S [vi (x+y)] The win ax + a 9 = a + 49 is is vieg Tre wier ax + ay = a x+y = 5 H. B. X.y ] Our min (x+y) = 12: 12: 45 y 10 mod State x y g ] = S 2 vill x y f ] as mings Dorfur  $\frac{\mathcal{F}}{m} = \frac{\mathcal{F}}{m+n} \cdot \frac{(m+n)!}{m! n!}$ source thou in oul last shown crups, m. Pi = Pm+1 (m+1) Jelja red, ur de lephon Ol: m= , when m= 2 i job bullow an uf

Pr. Pr = 2.2 multiplynd in my 147.

Pa. Pr = 3 23 multiplynd in my 147.

Sa. Pr = 4 Pr. I'm-1 01 = mm )

(1) = m! Om objo on = Pm

(1) = m! Om objo on = Pm!

A) vujo a 2 s[por x 4]

or! mys Pi = s(-1) (a-1) (a+1) and in= 0 for mund Jax=1+7, x + 12, x + 13, x + ... P= -1 -1 (a-1)+1/3 (a-1) 3-1/4 (a-1) 1de more num Ladriter forbaid, mingin syll mente wer & det regge zorflan sip, if were it = 1 No bullow hif I? " mun Glife zoniffen and P I ce = Sort und in I) ? = f(-1) or (a-1) or+1 ) ist verily mindely mu drie noughe opragued igs a zir sprime monte of grandens in some a grayabusing. for hours fif ob mais if shis of anun Both in I) July, Saw Truga al Denkist world, it dayalles Danity in al. A) openful single A) Denk moul

178 MunI)a = [ ] = 1 + 50 por pos +. fo full of m gunglinding Moder you danne judar din al: winkerff nough, se wine on in anchey if to mingh so tunublifmine murifu egile wenty nivel. A) a = I for x' Ihm havins of man more aire Rufa friffmark S[Q" ] wild fine gir & wolubs me womend in Quen our Burafo für gen P, viet dus aprile I) yo mund Alan = Plan xu dufa en A) sufer love die Ruife If For you in no mind ge y lanfaganourme manan Juiten much at mill. Tolow mings weef introdufine, It I'm in midled Jos Pin I) fuly, well muniment = find youth & mun diff apr zorthe in. In partie marifu glainf muis inf Arch & San Even 2 3 in theinghan zorken film dy sufs & bed 3

Morale ograble pro 4. min In Rolling foring mad I a 4 mount. Tall of favill it was Joynes In money much me parther muist afluirfy orders mirarely of ril parthies Jul bilden. It & myrrer = p+9/- 1 frud sella minudligun Harfor mon sunon Dur guraffind nw. de ford at armen Mostfish ford main & when is diff age gill if, m (Minim) figure it = m m kiningan Holum, inandlif youl Bowlen mon de num valconeles zoeft, mons an willy mul Muly mui it = imagines A se infinitis novis logaretmorum generibus in This program gir Thorn of ohm minde wift your pridan Julus Ohm win sinforming ich yafandan Myng m I filed moduly or trafes on But das Of I sign of planer gir kindam Olly wind more view of more of our, and findam day Moth you a joyé gorbinskie P=1 and walfourt mails invelly: a = V(0)= 1+1+2+1+1+ + = 2,708 ... = e Oal ul min on A) short a = e short ( = 1 /0 mod et (vi!) ann ofthe gelfing man I Afferen your goffen of hour work of in mer med dullure tud Shirthing & der Kufe dois Sort of die nadicular Pakers, me der dignant ann numerially zoll & gry villy igd. to medient Johns fold min 1. Taget if vely o

180 gullen nun dir formel din stirtifas mouran went fines? Mo in langular of exty-ex et mxin mus In Rufu July M(x+y)2) 8 (1. vi. 6! x v. y 6 N-4 6= 2 (xory6) = (xory6) mudrugl: 4+6= i mis ville:) = (ville:) mufre in mil suite Nu zha formel e: e = ex-y sun ex-y. e=ex ment formel I and mibals. In forme and 6 = (ab) und and 6 = (a) rypander = fund bai nedary forage du formel (ex) 9 = exy fort wir Ludwich mari y det sjuge zoellen igt. Jes wol in fut negrhive (ex) = (ex) - (2) ex for in ev. e-= e= 1 mont former much Novojuldane orly formely die Ingli

nigo nome wiff a functionen belden die mynullige analytistet Trygo numetice, In fine the un place filet moren Vin Chain in Speniely Tres. mis Occuments Mrs Kimme dry Glintes das Anfords goodfind undligt donkun. Mir mollan folloreffen dru Auf viller ognardne Glind I. /. Du goode fotague y & unhfolka Mono forgon d= - It for men 2) e-x= s[-x] = s[-1]. x4) fra muffald + wo in die Gentres or! Anifa i ud 2 hakomme nuc din growden glow din minof dubtrition maggiorellum. July for arium agregat kom inf. mir vjaveda das ning noveda Extendos of Leftoup of new dorly I [air]! Dendre die gride John; zurit aust.  $e^{x} = \int \frac{x^{2}v^{2}+1}{x^{2}v^{2}+1} - \frac{1}{x^{2}v^{2}+1}$   $e^{-x} = \int \frac{x^{2}v^{2}+1}{x^{2}v^{2}+1} - \frac{1}{x^{2}v^{2}+1}$   $= \int \frac{x^{2}v^{2}+1}{x^{2}v^{2}+1} - \frac{1}{x^{2}v^{2}+1} - \frac{1}{x^{2}v^{2}+1}$   $= \int \frac{x^{2}v^{2}+1}{x^{2}v^{2}+1} - \frac{1}{x^{2}v^{2}+1} - \frac{1}{x^{2}v^{2}+1}$ 

sullforming one du duf ex-e-x s x202+1 abus ungha ansfoilt apouron dort grange In ingrovemen Glinder Mus nwelden den Raufn de gnoden folanger what vilen urffalden Briefen, for July mour floot x = x.V-1 vous xy mure y= Y-1 and bullown in e xy + e - xy = s | x ou y = (y 2) = (-1) u ment exy et ay = sfi) axxx . dinfo Ruifn mind off brought in Changendringman if brugenfin fin durif Cook

Laran 2 ×9 e-xy = 5[-1) 2 xv+1

24 def Rush da ningsodninge med orbright soludan grifte, die Rush benjuspromet new daine die & yo down & orbert faire koute

Sport ymbl (Jon 2+ Cov 2) = (exy e-xy)2 + (exy e-xy) = 1 of in ) Sun (x+y) = Son X. Cory + Cox . Sun & 29 5/0000=1 3ins 1 mongales (if 5) ors Sur( x-y) = In x. Cosy - los x. sury 6) los (xty) = Cos x. Cosy : I for x. Juny Dy formen men if nie rentos Sont In remed Rough morelyand Jala at Dry Manney In Dufe very Is no function graphility. The mind sugar Inder't lanction on funder - Ju Jula mig hack sullar wir foliare Mart dent men soft in most him Most
Moderation for wife wateruface mints. Sin realing thirt wife for find brift wateruface) mis mulangrafus wells
Jin a modern the Long allow gild your judit function fox in Muhry: min Dan Gredly Dur function guls Bel gorba den fund for sels f(x+h) hund nursufulle ob ninn selle half nout foreign of h suf belden. beight if no so gall in din Manyoundlines von Dub night apind mings for spring during for the such to the the ship in flather that he so for ment for for inflationing for the fix he ship inflationing for the fix he ship in flather and for the state of the for pring only munion han look veb min for pring only munion han look veb min In Rufn ins, ins on look pot which die Afa hat in alung your negation, his make Mintels men & I, pople von negative ner

ut und and Alferential our for until In Sufferent tal anti wing min anught my his number Son (x+h) = Son x + Corx. h - Sinx. h +. wow Longx+h)-Sin x = losxh-Juxh?+ plowing die Rrife de lowing moulation Town if los (x+h)-los x=-Imx.4-In Dry if pool min Im & min hale met ver skutt it hand auch oful und standing for montfund. It winds welds min zouth den inf It of want mo das hoperaf your Sin = 1 Day of Conf: =0 ins.

Thur fare ing of wille zoffen you O his to IT in 185 In fin: ad long den gir it synfains, his deut de de gi n -x ignfarme Vin 2X = 2 Sand Cosx judar Vin IX = 2 /in it . Cor 0 = 2.1.0 = 0 = lin # flun jo inf. los # = -1. To shows if Ninglugger. In just II. in min villa goffen din mon facilit & July, Sin operar find selfet (in 2 quadrant lingar. It yns 2 min Zoell din mi 1. Equal. lings for in TI-7 ma zoll in 2. quair. Jon (H-Z) = Im Z, In min J-T villa Boffin gur anels din in 2. quart lings to mereplan der Lafringe yun O bit I m unfurun 16 gew 1 bil jut. This is welf obyan foronce. Crs (1-2) = (-1.) los = - Cosx much wolfmundy negative greft einbol. On gafrif muchus on brukardiafing und im 3! 4h 5'h m2 grudrander -/. zulenn den greiffen. IT no 3 st , znuffin 3 I - 2 II in it f. lingur. Jest Z zospeded 1. grad: de igs It I min joll of d'africat. It - L dried min well but 2h quaranter to if 20 201-2 guft and you quark in f. f. din graft or din In froite during afaile if in 180 Ifaile in unite 180 minu Grad () 0 min if minute () To union of Secunde (1) in f. f.

186 dint ford vint din drung unding of pranished Living in In analysis anytown Ohm gri non/a. Min mighun exi e-xi (-1) or x200 } - los x 2) ext-e-xt = 5 (-1) 2 x 20241 } Just die 1 bylish u+V = los x Sur 2 agling 11-V = Jan X doesail magrabs you lat = los X+ ( Sin X South of new pott &=-x mund l-x1 G=x-esinx
bourned tourne into juda polag in and
lumme vielon: 3. 8. emxi Polag in and and on Govern Dr working populary fimilex = e mx 1 to off m doff again groups in . Emx! (exi) m man on Tiff yough zoule in in substitut of mod (Cos X+ i Sin X) = las mx+1 Sin m X Ofwerin In working Lugarelmen lægt = juden Buibdouik &, der der freguers/f.

fert, Fils . ex = 2 mind . Der ex = 1 + x + x + x + x = 2

druge Of. mings if min mong & impleasing

Sin Gl. wish o yels. min (-X+1) + x + x + x = 0 187 Holl mum Enn lag gan & downer, for fall more of a vario de legt almone of fales paramilying, Is a mind minulage, mail vin gle gon an andlif un grown igs. Out of rif. Gl. my holow 13 fiboled in last on I reel find more for if bunn villa reell find was gin das for reell fine non emay you form po +940 for yeld doughallen. In Oringly who miss. mountall vella Boutely fine A semon for form' a + b for wen ou fre perban of you on ge: subskikurd . der ge: Denking min. Moun fall funden den dag you (p+gi) mo i= = (f-1), me mui q=0 of p viel reelle may gorfulls. was my will you & fell fair d + bi, new and a reel find and met wind allowed doct of of lay p+ gi= d+bi when p+gi=ex+bi In puning in Die Poling in four zi sparyourdalu much mingled in stail formlibach dur aft: Joel majnukling In Gl: is. ea + 10 - la els de ex! los x + 1 vin x do la doute of lo + gl = e . (Cosp+1. Sinp.) mud main grand is worings Mun m+i= n+i de ap m=n, i=i vilgo fin p= e los / md 9= e light die langon Gl missif midle. uf elinimine dut to down mind drugt. Francudent sulfm of what out unter view his vill out and mile: took

188. man quadrid length oft - as adire muit cos 3 + Sin 3=1. if notorela viejo jo 2+ q2- (ed) 2 word Vp2+q2 = ed frithm mine & ynxindan y words on wyde ge loops to the single Single = Vorige Just I is now anythan sweet of mutice Sinice was lafined found sund Sund land Country surface of College lis big welmort ja napunu muis Lugora all iden List mouse. It is zi nullfaction of Voort neg: In Tin & winds ob Cost, mid bow mighten much in malifun quadrant plinge. D'in oudera frage and die min studiel Dieb &. Sorbigs mindre dru villa anifarela, motor del d ist much Los das grand / you prog me uf muy of flerin a forba , bys ing I'm organity or y fexten Lo Vifains outab uniformed grafoundals zir yours. theur is is mile to date if mails a mings reell frie Infor yellings if villa imagine deputifa you & with ment of main ful ma jun de den to to me an var of symings wind of wind fif gingon min short & villa rellen hof waste you o his minule fort. d=0 must ed , and if nin fir a shoul unger populives at mountain order age. popul: oder

Die Unifu profesio un 71 afte flie 2 o nuver >1

Josephy punto grande Topast que & griefrum

My 18 yeur organist. Tallo il favilto de drie negularie guill of to mend ea e 2 to sunt of men should nother orly vine to man profilio muit sing for loop = 4/prige a negative in vily muit our for top of the loop = 4/prige of he of the order of the or +/p2+q2=0 ig a igo XX pofis man den / youghorg, dur ed = Molige and I neg: mundin/ kl in vel 1. renummin / 192=a moneys. Robinson gun & the Carff p, mien (2-1)-2(d-1)2+ July front x=1 % lakouning a=1+1,+ 10;2 + ... = el. fr you unfall a = 1+ k. x + Jx? + Pix3 + In or for lacf P man = (a-1) - 1 (a-1) 2 + 5 (a-1) 2 + ... = (a-1) 2 + 5 (a-1) 2 + ... = (a-1) 2 + 3 ( une only jours of sand and a drun 1/0492 and nurpova Crimityorba in mylight.

12 is wire fauf + 2 n st + 4 mw n vella Musp our own variand, so first to in andlif much Orungandes log (+a) si fundam hemit p+90 Onyour lag me perhai des profesur zufe worden selm mir q=0 . wil p=a ut ed fortar = a ud d'is min mos Dan Ringe zu bornfinn mert forveil down hum if La to mind log (fa)= Ira 1= = = 2 not + 4. Nin ig los y= 1 nd long a word dan GC. Cos3 = to wo Sin 3= 4 192492 velyo ey log (+a) = Liatanni In ring 2= P= (a-1) - - (a-1) 7+ huist my convergent si moupen of Lupolous min dub opminist mind. Loy (- a) gri find. Somet p + 91 der mor Roll rungs . p= - a q=0 fain voice igs loo 4=-1 ling=0 mit out in 12 7 no log(-a) = L d = (2n+1) oti moveln Mary may mer find uf mony Liv. in Julian most if will

flug (+a) = La = 2 n TI Veries graff poque 2) lug (-a) = [a + (2n+1) 111 0) log 1 = ± 2011i 4) lug-1 = 1 (2 m+1) thi Juda pulso: gall lag: in magines vuighen lawin ninging nu one soundling, in in popul. if a /1 myakw if a L1 That more fluit a= 1 ju if La = 0 mill le=1 for myndlynl 2 hd 3). In 3 ynd olla mudf imaginer ouinkur mini n =0 ip. Mis mullun um din zoff of Lindur. it ig den zoel dar Tun den den Cost o mind man mon should it in no many funder mulfor your our July . of your July as graftan grala, min unnine die aufter Muchar Ing x = fin x junyauf inf.

Oran ip las x + i sin x = exi our function developed

Cos x - i sin x = e-xi our functions developed genthe Cas x + i Son X = e 7xi dung Cos x dood links  $\frac{1+i\ln x}{1-i\ln x} = e^{2xi} \text{ orline } 2xi = \log\left(1+i\ln x\right)$ non der det det Logars Thun = I lag a di immuluf Ruf (a-1)-1(a-1)2 -- 47 }

July if a= (1+2) in millag(1+2) = 2-12+ 1/2 + 1/2 - 1/2 + 1/2

July uf a=(1-2) -- log(1-2) = -7-1/2-5/2 -- 1/2 - 1/2 ( zubtrah: lag (1+4) = 2/2+323+525+724...)

192. lag 1+ itgx ) udfruf lag (1+ 2) very = lug (1+ 1 ton x) = 2(it+ 1:2+ 3 + 5:5+ ---) = 2i/t+312+314+--i'musel sys - mund it if + blanks is fel. Jumend log (14 ilgx) = 2i(t- 1/2+ 1/5 - 1/4 -) = 2xi vely A) X=t-3+3+5+-4+ Min guf if muno wen bet int in a weef holowiffe 4tt. Iw Sin # Raw none visit In 2 w las It ynglinden mandan den din iv = 1-Gov und is V= 1st den is Plass

Cos iv = 1+Gov =0 mint mir doct dornunder

z munglufun mub st is Just In #= V' w Cos# = V' nil din Vind meno pofisio sufer Try # = Vi = 1 inf July in A) X= # Dova in it = 1 inf bell ## = 1- 1/3 + 1/2 - 1/4 + ....

ver gow war mus of out our los. Cos x- e sux = e to das la la das la maris buyant de la maris la con das buyant print sur al Con das buyant puist maris luis, vely It south dus sin ad las you It vuis gudo: m. dort ofun agregate ignings kur Alufa Hvlaugue Logarekmen nu Akigonometnigfu funtfromen  $\mathcal{A} a = 1 + \mathcal{P}_{i} \times + (\mathcal{P}_{i} \times)^{2} + (\mathcal{P}_{i} \times)^{2} - \cdots = \mathcal{S} \left( \mathcal{P}_{i} \times)^{\alpha} \right)$ if l=1 for in a=1+l+2+2+1==5if l=1 for mere l=5 ij l=1 for mere l=5 ij l=1de = I at stroub if er = of Jul ould of loga Just Marth sundrulas, jo mins ax= s x. (loga) Smill more ful with a politice of a abfolite Jull. Som fort lag a miene muzingan reclien must. oughas inablif genlan vinaginerer. Till if win swell lay a dre reellen Forth. Je bakou. if a = s[x (La) or ] holovuspe of dri Ruis folust die Ringe men nume mod never ghow for you must among mill and

194 Mart if mung fin & spalar must of milk. at ford vibra wir Contact man & Att grups Jorfenn in). To Jaff out Defin: ahus sons mun a juf. is to morphis wind dringlas warma inf mina kingslings (Robins der din Anifa undanker in for fort our knight fortrug mins minhill huging wing wing of Julynn. mont if mill. Sebueld a popisio in de Rufe V x La et lever de grafforden m wine extin my il ex = Son handing find knings Tol wind wordard givents. yuboreff. et. ev = a xxy vely ex. La ey la = e (x+y) La plint Louge al does withing in, more fif out working fol and formely. Alle du Glormels willaid willy willy and find friends willy (ax) 9 = axy rely (exta) 9 = exy La up min In Gli muffry? In pokens lull how have wederly , fin ist now day! hint (QX ta) positive goes ind, und using

populie muit & rell in. Ini the mouth peel 190 thunghing, dein ift din Of girling Kokey Arnhas directly dag to mysula inf. juden weelly. I to soft dit to mind vider at ful thing onduity meter sulp a post int. velos sals dar diningly lagt, golovind It is kapo a papilo ing. Ordine mollan nim vella franklin of what of den die frynglygelfelm a = ex Ia wuf Inu gurnigu julglig in the year afull In withouterfrie log gen b. vely = dan log b niver must den de northing lay fort min mon dry Morter lag b finds frehm mind sugaries more b firm much ab hould mind by form p + 94-1 To feel In Kunghlufn day when fo girl numetings muller god der working hag: jest din Rafis a = 10 bour in In lagarlo dur brigaffe to ford sing In briggeffer in undlight toplayer is only to populio, John is ninos murol well mit Ifo shop in Sun Tongluld olle übrigan find maginair. Is sooned ful of firmen dan weday lag: the In fin so lage I wald are most fif brigg mornel muil kundly lag vind nocking

Moet In knight fore fund: outstill. Mora inf dan aust: ax + ax lax for ax form when & ax - ax = sina and din Republite noughban fing smiffine In mis fraifes gazemina fuban dingat find vide theman smalldiffen Mary, in mil fif den kningly Any fun. soughnif in norterlige y any ombelin Ellymining Johney. for find a me a balculing a Siff any grafte if send in Rufe metajibald girls of x 2 (log a) or Lu due working lag a kluman mur mundlif zente Mohly folan with represented in duit willful genle omdere dry jado is glaif at.

Jest must mele dett guge zoeffen skraug, faf ut
viri un underif sentem Amigen nem kreder glans
marden sten mus de die Reife der def. neut velly: Rulary grann, And how drugh Def. veller flotifren Engristen de Bokaugner iboing in ful den whom theif winds Inf our for vinterarden exteged in out up and Anifor Ind Now Represendant orlear insul if.

for mind din villy: fortares verif medinslife and integralizated, no ver saga insumblest multiplied, fort to fort wies to fortary insulating multiplied by koof vleglurif sin modivelige fortrus mus must variablig! Orjer mollan internation of at un mobil yinks hymrtfu fort. Just village untireflu dir a had & wright angled man van unfulif (p+qV-1)=a jour = p+qi fox=d+pi fox ax = extoga = dd+pi).les(p+qi) remi moes day (p+qi) = L(+Vp3+q2) Dur vingigo relle Molf + (=2n++ 4)i mu lorg = + 1/p2+92 tong= 41/p2+92 vely log (1+qi) = L(+Vp+qr) + (± 2nT+ p)i.
mulhyrg mid & + pi ~ L. Vprg - B(= 2nt + 4) + (s. LVprg + x(+2nt+4))i dougan ry der mine Gal reel door onder armyi min mind e d I. Vp2+q2-p(±2ππ+φ) χ c(p I Vp7+q2 + d(±2ππ+φ)); win mind e win in man mener of find mu miss uning which must be in the losy + i sin to the losy + i sin (---) Das guya Chuldriful den form fot gi

198 Weare wints midurfular who villa moff dingho dubdouthat this judal X umoludo ylung find. Jes & doff green zorfe den zond din Honolly offing Bion Africa at some men x = x+/si, mv /b=0 ip. Down should dar musky April dut Eap: muy man grown Vansable your and ext Vp + 92 in mis nindmeter, une sim factor spoils In unife Tfail ming, in Aud inbriga ford minun Propostof. and Sav Cos Jun 2 pet AN = los V (pot duite I y mind los Duyoff zun Vembonishen) No mind los dar Harenthefe = Coop vilahe mudnidig Info dar guzu factor mudnirking. Dufa if midfo fromel venif der differen, Johns mich enforman fil x = /4 I som med en d + be b=0 mil d= fe den ig de worthe factor mudninging min song Sur 22 fachor yould. los/ 2 2d # + a 4 + i. Sin ( in) N. J. Cos (+2/2 n + + + + + + + ford. Et Lafoling in Canifornite mis VMpst.

of soft on noufumoundar folamura Muse 19 gi ang n=0 sh mind lus o.

n=2 - lus sign

n=3 - lus 15/5 m = 4 \_\_\_ Cos ngm n= 5 - los 25/71 on = V afunda Colimite ribning blaiban mail augenit los til nu smirkuit los (2 pt IT + tip) jud nort dum Torfa drop los 2 pt t m = laspa is los (24 It + ty 4) = los fry. On low Fun fif In (Mostfu in parthier musfailun Din murounder afinif find In max & imaginer don't pradu Taken imording mente morty got if &= \fractional such instructional sufficient your immuling golden Zoefend un gullus in Hanner get, min migt din smag: zorft sparie gler a ud et downied vella hoporty a far prote a & reell blirban duel mind man hint + 2not + 4 &= 0 mind Dur bugne mings ollige I mot frin der langin ig vilen BLYpigi + d(+2not + 4) onlyly = + pot

200 July more nina shoot m, m, to p, in a more more move mill mind should downing & for mys burn frij shir a gradu Janagi maine mylange 3.6. Din Mortf. Du pokeny (Y-1) to mend d=0

nd p=1 m dun Mort x= x+ ti dun p=0 q=1

mi mirhadom ett (±1000+4) dus aleniga field many . 4 igregalen durf of. Par 9 = 4 . w Cory - Frage murrial 4 = 21 olfo e troot + a shalls villa nowship dry okeny je if m=0 your um Mat litt = 1+ 21 + 4 11 + 1/8 IT + --- - fulf mou n=1, bullouis nom ent min ombron synot i forf. Win ig din lafte drage of dis found dar Aufum poli ouing norfjulf ynden ax ay = ax+y wow & x lega y lasa (x+y) losa du Of if mushing man in solun drows factonen dan laga muran ind dansfullen I four in multipur/Murlya genifaces.

75 Crumuno, at 6) if nound less ship at + x ax-1 + x [x 1) ax-2/2 if with & gry velly: for fort (a+6) unandling gials Murely, juli orn Rails Dars par wendry frin for mings for die mirault zulne deputte linguan druge funging gun dem um gret & ganfaull ist & posite to but In Auf 1. mg of is it = m to ford In any n analy, if & mat: to food fin unant yeals Me whan to you at imaginer in orbar at fully fort in any now you when to ad ad-2 in J.m. sein floury fif muly Ino Mordfung might man should Inglan Orubins. Julan Dulle mom orlens at minn Mal, for Burn mom shift polynudar viry and winns Julym In Mother Date Lag: linguishind noom driefd', d" d' of ruis a fat s. f. our Mary you at formul And Buly Dar polenien Q' 11 d. all d = Q1 xty Sh Zup 15 ff madull. Irab rip sufo molfmy: in spendles Whysigifun Vruduspurfungan. G. bringspiege weit Fun Gibinto due pefron matt. In opm 1893 Die ichregien formeles logden. Hef (meft mudgulale

Pelly: Cagar, Unika dagle yarfrufu uf judnu aub Jount x , In In figuriff for is a = 6 Vill from In gulf & funder, for min's if my gun er fæll gluif b mynden. Dufan men.
aninn ynnjiften sk gjabt at uvef mala Metho
gun &. Toll e & loga = 6 monten sto mingt. Alager = log b louise westing Lagar. on month velyo x = log 6 mono on by 6 fort wind Mech. w las a first owned in and yinke months. Ja my fort if Swill lag a num protection. Iwidere During In immed month lag & in fort. is buthow inf in andless indruding word of new winding maying reellen unter sellen magineren logt fort den. for It a ind lag a weel Pt Qi Daw Gust worth mude Inform In + Qii, to Sout dra union Lagar: dum main amergrage from and tringenow for uf Qu = 0 for the theman of volle Laz: reell.

Downerd ungrubt fål mont Berneli Abdus Rugar: uniar negalhoen forst reell fin florer men mir dia basis dommons gangress vinord



Grandwich Chmo Clem Morts. Lagriet in Muff. of Taraf. In Browk and Anonshufur du drybykali "

a) unklatbour (Bruyonghan)

b) immikalbour (Bruyonghan)

a) di brookale mulding firfgaynusheding

b) klayrigt day klafuit or b Churtifieb

g) Buyrigt day Brownia in defining form : Layspirt me Bris 20/ quantum and (quankikath) 1 10 d= 16 10 10 = 7 it oping 2) Sufrice to Confort with the 2) Grabes find ything working Grand prof Doch Ofinfallacio & Robbush Cyropana 2) And in with the youth They fin Anthone of graft. 2) Commented y mit a wint a I fufficiency Dus Muif: Elifor das inbancif dan Gorfens Falleyveronos andm. to ahaly ziv & fully di Deffe Judge: W. 2) Lifet dur knewinke gryther at din vellynmanna avig sullinfor be four lyn: 2. (x) Din / (Round Grd. B) ou proud yr. L. I Capital action is subfract I bugnist in addition out Juli in Juffy unface hour down unfmare gooffer attered in govern Il Daywell on Subtraction will greft a Juffriefice (A) Schridton wind greffan dieter will fas ] Plensfunt gurt dub, das Glunifines, das [ formel, In Drugling (>)

B)  $(\alpha-b)+b=\alpha$   $(\alpha+b)-b=\alpha$ B) is  $\alpha=b$  so is  $\beta=m=b+m$ a - m = 6-m m-a=m-6 ip a= 6,6=0 quip a=0 (1(a+b)-0-(a-d+b Normalie De (a-6)=(a-6)-c=(a-c)-bLau Granuspell ins Chentrones 3/a-(b-c)=(a-b)+c verby warfan 4(a-6)+(o-d)=(a+c)=(6+d) 6. Tregoalle will man unforme Die birrulla one four ne Establing was Collymanum It morn Juf pakinumann, dufur. 2) villgemaine vix dentreff glaufuga This Roughou derender flower our I den Tenowin der Mus und dar fullractiven ud additaver zvellen 1) Ormburgnish der sugagnandsan Gveysin a) din doubler somen gulkun verish his dings gringsfur mit at averall dis a) a40 = a 6) a - 0 = a sufar 0+6 = 6 c) a+(-6)=a-6 d) a-(-6)=a+6, dofor 0-(-6)=0+6=6=-(-6) e)(a-b) = -(b-a)x) (-a) + (-b) = -(a+6) 9) (-a) - (-b) = 6-a

Of Anoria on vely aboveriffice turnmen. I wine ola fame of Summe little ad would beiler: I di Olator va bif abolit from afradas I Lie vely Summe Chilian plantes aver vicibylogham. I Sa Sama word Winner in deal infergus Loday Alfan VI Obis mund me only: Jumen adolf it fultration E) min more series Jammen Defening ad goffen Rotunu mir jan Ruspild; wans indes min 2. Jin Differeng (bi-b) andfined wellen din Irmi formely In goffand Capitel Mulliple a Brocher A. I Most if muldyl: Frank Roef factoren? It still multiply mever igh a = to sirift ma = 6m min wolf: y : 3. year II Toda In milligh. 9) m(a+6)= ma + m6 1) m(a-6)= ma - mb ale = ba 4) c(ab) = a(60) = 6/ac) 15. I Must in swifion quotient Sivident in drugor? mute mour fif your abfol Juffs drubt. 6. 6 ± a III) int a=6 yours m=6 no w m= m Dervelly anencial mine I fin know at your ones foliveld on was morelland of golf it. a kom your modal 2) for Diff: Orod and igs, more on win diff ? hen greften igs =  $\mu$ - $\nu$  and hadrilat  $\mu$ a- $\nu$ a) 3) Quel of if am diff: I to out no = 2-13 4) Other fruitioner downater gulfant out fruit war brog omit

Indered, med sell docto de hendrula II. Das vellynmine Gust skaft veril die kentreg affords of att = a +6 g 2-6 = a - bm 3) m. 6= ma = a = a . To 1 of: m = a:m = am 6) a : 6 = a, m 6) \( \frac{ay}{6} = \frac{am}{6m} \) and \( \frac{ay}{6} = \frac{a:m}{6:m}. \) 7) a+6= ac+6 8) a-4 = ac-6 9 6-a = 6-at 10) of + = = ad + rd 11) -d- = - ad-rid 12) 2. cd = actod 13) 4: d = air = aid mulh: = ab Bubbrilan drifer Wills vind Sammen you mafrava a faitoren ind modeller our fubbraker out fubbraker d) In roth # = x + A-BX malfar gar prales
Drofton und dro dar to legibi: Summen lap

D. You position in negatives Outstris dans E. Guerrin Int gridgave mit kenimen 1) ip a/b your a+m > b+m a-m 76-m m-a 20n-b am = bm 加一方 a) ist a le mi c > d spin a+c > b+d a-d > b-c: a. r \( \left\) 6.d 5. Bun wantlum greffan = = 6 III Capitel Solvenyon and Apringale A. Obstrum mer dan lego. At Now is Total, Synand, Lynner! Die Deynand applicate sail III Erletar den Monwerbynfre, et dan lap inen abfel. Zorft is gallen Tory am+1 2) aman- am+n 3)  $a^m: a^n = a^{m-n}$ 4) (ab) m= am. 6m 5) (a) m = am 6m  $6/(a^m)^n = a^{mn} = (a^n)^m$ 7) Lingelene Wils rugam and much unafrylanding. William darfallen Darvindflue mis dagsonel 1) min as 6 sys am tom 2) non suffer soury of fall worth of a m. 1. 1. 3) and minister senies in right and in so for

O Jungalu man dove Radfound dir diff a to Bo to sangering the Saw Murgal and Raiscanten und san of you and abjolite your broke in. It's Moral Regunantan. I din Dungal food in me new miner karkinstan Hun I Only lin Bonizuln 1 / (am) = a 3) \ (ab) = \ \a. \m/b

21) \ \ \m/\begin{align\*} \m/\begi of Man = ( ma) = Man in Reventular weelings 6) vind mon jo unen zufenn men mis fings y) man = mo ans = mon n:10 8)  $\sqrt[n]{a^n} = a^{\frac{2n}{m}}$ A. Androughun docknigner bri abfolich. Typant 1. Androughung docknigner bright mind badnistal Tan your say 2) 30 m = 10 yo mip /an = Van 3) Die Loomalu Dar yourne Robenzan anthen ment find paleron from Bolanze B. Derferenz lobenzam which pi = 2-b jo ist. g It fofwer velly : Kinil. 2) igt 2/3 = g-d forgt at = at folkegan guller 3) die Livariferen Goldenmin folkengen guller 11 h 1) In waittly 7 2 a'=a; a'=1, a'= an a'= out the dignant abfold balinding if onford in I forther villeg . Unil

IV Capital Cum andringen A. Giftmulapra. 19humanis. finishelines dar zoglan went andriceni on James Holangen de num: Soul sing 5. Angund Angalmailan In num: Soul sing Duistous the Oh 2. Super nulsday Die 4) fraging one o 2) Lyn ful angululus furfuline de ardugue hings It sub builfyrufan dur zugun, ymunde fit dui informaliant fifther wingthin find burglin Snot of your lever loty This & peuce of min my and and devintal griffine mulleplant over 2) his are I held dow justine yround al ful Browning Is for ournever for Juffer algebre sternen find 3) den Muliply grandel fiet min algebre Turumen 4. I'm Direction grinder his wind I'm day to = x + A-bix M Apon dan Frem in justim ynshiften gurkner of ninghous in gedrum ynshiften lastoren in 2) in af-ja & Miselfourth of = 8 alignanter Gymrown in weshood zoest Gymrown in weshood zoest mon Friguet link fif und mis out of dentalean Prengueten garlagen 5) jud zoll of dury gradulte assyrluar bringogene Gullout High a bund b fullower for find our factoren to jugling ! bir factoren your A und din inhvirgan factoren

male a yaban din factoren eg un & au of your of minimplified Africant und yours Birtheougher me relatives Oning offen 8) is my Ye you a, 6 for fund den factoren you om in Janua gon a mil to andfollhare igt yselfer on dar gogster of the is fortune a 2 6 with der lattoken on miller amound ar gamain 9) is a y. Down on, or, p to migon dinnif dis factions gan on, n, 10 Unillow him und if a das Huyan palstaufn for mings you man would trayfun factorin hashafnu

(10) min mind min zuflin Brenzustan zevlays
(11) min drudet menn drub gennangs flenden en misse (2) is 4 = 9 + 7 so & da sprike g. Epular de zen a w b sin factor gou or hind des große g. Ifother your bis t day gou a des große 10) dabround grundet fort min mum den grieße ynmanystydel Farlar Lindal

Commentar Ohmb Gem: Math: I Gail Zu It zi fula in tre fiel: forige klow, deep folale day ge Eguil good to luvel gravement A girls, vist ving dur po thirt you A, g worl amount on B winds. In to B=A Uran if nun 13 mendar ja hublaman of news if no op gurafolynu, min if no zieformungni off forba I. f. iif migt to to adass at in p Unila yn Sengal wint foligno ffilm q unfrum of ar foldla inf 2 A = 10 Zymiland don to to 10= A, wif g = A. dan win glin Hail gun to int for A= tg Va ofo språdd vunf A in p Kfirla gurrfult, voar In. Darigue somer wiffing in real In folywh: Loghela In adullon is sult: out brill du hig right Gy andhoran grandley sudmon formeluting iskalu zu karlund. Jo 8 7. Maripula  $|(a-6)-c|^{2}+6=|(a-6)+6|-c=a-c$ 2) (a+b) + (b-c) - b = (a+b)-b + (b-c) = a+(b-c) 3) [(p-q)-(r-v)]+q=(p-q)+q-(r-v)=p-(r-v) (= (m+p)-a 4) [(p+(q-d))+(m-a)]-(q+d)=(p+(q-d))-(q-d). +(m-a)=p+(m-a)= (a-b)-c + (b+c) = (a-b)+(b+c) - c = (b+c)-c + (a-b) = b+(a-b)=a

((a-c)+d)+(c+6) +(a+6)+(a+6) +(a+6) -(a+6)+ (a+6)+(a+6 1) [(a-c)+a]+(c+6)]-|a+6)+c|=|a-c)+c]+a+6 -|(a-6)+c |(a+b)+a| - |(a-b)+c| = |(a+a)-|a-b|+c|+b = |(a+a)-|a-b|+b = |(a2) [a+c]+6+ [c+6]-a] = [(+6)+(a-c)+6]-a=  $= \left[ a + (a - c) \right] - \alpha = a - a$ Ju 50 Laighila ((a+a) - (a+c)-b) +6 = (a+a)-(a+c)-b)-b (a+a)-(a+c)-(b+b))=(a+a)-(a+c))+(b+b) golft gre munis Tumme advid dustafet formes (a+6)+c = (a+0)+b (a-c)+b=(a+b)-c (a+6)-c=(a-c)+6 (a-6)-c= a-(6+c) a+(6+0) = (a+6)+0 I give \_ a - (b+c) = (a-b)-c (a-6)+c=a-(6-c a-(6-0) = (a-6/+c (a-6) +(c-d) =(a+c) -6+0 mond Summen fubtrat ]

Sof must \$2, his from it owing author went out only in as = mod (a+c) + (b+d) = (b+c) + (a+d) et. Lyvila if (a-6)-(c-d) whip (a-b)- (c+d) who (c+d) - (a-b) (a-6) + (+d) o of yufan du farmoundingme with the butternan Counterwale mife farayou more minsky dan min in falour at union fly Januar bout I wind mis vell Weighen when wiff well finne when Ir ferens butwelflan down brustann for din to formely oung awken (a-b)-d+.|b-(c-d)|=|(a-b)+b|-|(c-d)+d|= 3n 510 w11.(a-b) + (c-d) = (a+c) - (b+d) (a-b) + (c-d) + (e-f) = (a+c) - (b+d) + (e-f) = = (a+c+e) - (b+d+f) = (a+c+e) - (b+d+f)1)(-6)+(-a)=(0-b)+(0-a)=(0+0)-(a+6)= - (46) a) (0+0=(p-p)+0=(p-p)=0 3) - 6) - (-a) = (0-b) - (0-a) = (-b) + a = a-6 (3a-16-4C+d)+(2n-a+b-3c-(+q)= = 200 - 6 - 7c + d + 2n + p + q = 200 - 6 - 7c + d + 2n + p + q = 3a - 2b - 4c + d - 2n + a - b + 3c + p - q = 4a - 3b - c + d - 2n + p - q.

Il Capital and 5. 85. Ohn a=6 for of ma= onle drafted Will will all all alfolite as Zvilland ofort. I to. 2+3=8-3 ville 7+3=8-3 ++6=16-6 1-4-6 -16+6 526. c(ab) = a(60) = b(ac) vru clab)= ab+ab+ab+ab+...cinvel, word in formel matb) = ma + mb mund /ab+ab+ ... [mus = a(bo) = b(aa) & 3 4. To min Amis for din Dangaigh dut Subtrad and with down Buymight sais Subtra garlafus In formula dur mulyt a dury! out Inde Congriff - Var Droif. grapieford. 1/03 d. 33. a: m = a. m Anne (a. m) 6 = 6. m. a = m.a = a 9.38 &= am dru af. 6m = am af = a:m din af (b:m) = af be = a = aim 339 a+6 = ac +6 Danu (a+6)c=ac+6.0=  $\alpha - \frac{b}{c} = \frac{ac - b}{c}$  don't  $\left(a - \frac{b}{c}\right)c = ac - \frac{b}{c}.c =$ le -a = 6-ai sui (be-a) c = b-c-ac = b-a lui

af + c = ad + rb shir (af + c) bd = \$ 10. = a/.bd + 2.6d = ad +cb. of it = at dun of f. bel = ac a c = ad his (a) c = (a) c) c = a:c) c = a:c).  $\frac{\alpha y}{d} : \frac{c}{d} = \frac{\alpha : c}{6 : d} \quad \text{fin} \quad \frac{(a : c)}{6 : d} : \frac{c}{d} = \frac{(a : c)}{6 : d} : \frac{a}{d} = \frac{a \cdot c}{6 : d} : \frac{a}{d} = \frac{a}{6} : \frac{a}{6}$ ας : cd = ad dan (ad) c = adc = af showing out out out from the derivation of single and showing of single and showing of the am of single as the same of a content of the single of the single of the same of the single of the same of a = f-f= fa - fa = 0  $\left(-b\right)\alpha = \left(0-b\right)\alpha = 0-ab = -ab$ (-b)-(-a)=(o-b)(o-a)= 0+ab=ab -b = 0-b = 0-b = -ba -a = ff = -b our f-b fed ba = b Toing a villa proof offmun -a = off = -b our f-b fed ba = b Toing on with any direction of sure of su Loughor niverniet formeln sindift to dri der lapeland my in mount tout d'Aprennen d'évilère. To firet vient den devenue Roumal.

minrum grown din Hendskart frifsenny denish wirt wings wing wind har of the sung with: without if wife outwal vels ains Broka Din dis Righting Kniet Daw Lowwell wortholist. Bundar out is veril das Port \$ 46. th = x + A - 10x dan (x+ A-10x) 15= 6x+ A-10x = A inumatify 23 = 3 + 23-18 = 3+54 1+6=1+1-1+6=1+i+6 - 1+6 = -6-6-6-66 = 6 + 1+6 1+6 = -6-6-66+666 = 6 + 1+6 1+6 = 66 + 1+6 = 66 + 1+6 1+6 = 6+6-6-66 = 6 + 66 Sugar 1+6 = 1-6+66 1+6 = 66 + 66 - 66 - 666 = 66 - 666 Dreford 1+6=1-6+66-666 in f. f. 1-6=1+1-1+6=1+6 1-6 = 6 + 6 - 6 + 66 = 6 + 66 soft 7-6 = 1 + 6 + 66 1-6 = 66 + 66 - 66 + 666 = 66 + 166 Dufur 1-6 = 1+6+66 + 666 à 1/2 f.

Organ appar min fif much of or Truftin -a+b am -an +ap -bm + bn - bp -m +n-10 3 4%. -an+ap+bn-bp Dund alm profitar of is some a to am tom dan am-bm = [a-b]m yenef oily must puf Juff ouif in a m = a-b m a to dan a - m = mb - ma = (b-a) m in ag full. apoelan a mid 6 munoling Zniefun dorgs ale pof min spif (6-a)m popliv men en neg: negalis men me postelio isp. Lordan la De groth Zuenn asiß ab neg inn) the in (b-a) m poplie og an m pop neg og an mneg ins. the guffin who hand never held any and Starther, mun much veint bligger Vactor 1 1 -4 adve moch b yeard 4 >3 in f. f. Off at be wied of it at at bed wi a-dy b-c dut of (a-6) w(c-d) populie goefface for is vinef mun prefixive Juff on Samme (a-b) + (c-d) = (a+c) - (b+d) = I then languist no the after no ofd and find ville profiles for of min by 6 /6 is a.c> 6.d down a.c - 6.d = (a-6) € + (c-d) € et d fois actadolso unins posserin greft. ad = (b+q)d = bd+gd own of for some a: 24 6:00 Sine (a:d)-(b:c) = a - b = ac-bd very unear fortilly il ac fed tod Susso Smignann stud a, b o d must profetive guffere vote ist ac-bd yland new profet: Zvell man and amendai and b and neverthe Zunfan veban; yland une neg zoeft in , show ynofew ork bd. no Iwind much ac > bd = ac | bd a > 6 a:d > 6: quadara doill Those in in homavlan of Ino Doch du deferenz der gringsund Grissend in Toll din dur blancion Kerriskan uns din absolute zoesluh viel g. L. 4) 至 如 生 3)4 1/ in 4-13 who 13-11 was 3 miles ywinteworld 3 - 4 work 6-1 work 5 To very Din Quakentis vines Sayaballas Sit 17 Typus/Zafranyn? 6+c = a+ a = ac+ah = a(b+c) (a + a) (6+0) = a + a6 + ac + d This a=0 fines Morigh is unight

18h Offind floor ) (a+c) -(b+c) = a-6 Nati (6+c)+(a-6)=(6+c)-6)+a= c+a (gnd) 2) (a-c) -(b-c) = a-b Now (b-c)+(a-b)=(b+a)-(c+b)=(b-b)+(a-c)=a-6 3. (e.c) - (b.c) = a-6 sea fine - desp-6) = abi-166i = (a-6)6i vyullathuiss with wither In Brown Juling of celing # ( k: 6) - (6:0) = a +6 itin b: d(a-b) = \( \frac{6}{c} \land \alpha - \frac{ab+6b}{c} \range = \land \frac{a+6jb}{c} (a-6) + bec mind now down ylain your ac mon i=1 in. Noving 4. a:c)-(b:c) = a-6 fins mind ubau poelle (a-b) + & = as was a squis 20 Mus flooryn Toll a = at + a formings  $\left(\frac{\alpha}{6} + \frac{\alpha}{c}\right)(6+c) = a fuir velyo a + \frac{ab}{c} + \frac{ac}{6} + a$ Sheet growth find hims Colyly unfulling Com. Olimb El: Muth

( 6+x) = el 2 + a = a  $\frac{ax+ab}{6x} = \frac{a}{6+x}$  $abX + ab^{2} + ax^{2} + abx = abx$   $aX^{2} + abx = -ab^{2}$ x2+6x= -63  $\lambda = \pm \sqrt{-6^2 + 6^2 - \frac{6}{2}} = \pm \frac{1}{2} \sqrt{-36^2 - \frac{6}{2}}$ you wife. I who Broth wing and 2. Aflightough of = a.c Ini of bor = a.c of = a:c su of & = a = a:c Roll of = a+c for mings (a+c) 6=a if. ab+ be = a vois mind ognetifation man c=0 is. our over weef In Bl ab + bc = a vely ab + bc = ab + ac bc = ac 6c-ac=0 (b-a) c = 0 All to = a-c formuly (a-c) b-a fine If ab-cb = a dens gill midnor Infalbar of www. If afrey

24 Mickelways of the day gramountell adg cg mbg blog bdg 25 /1/2. Lr lypa ato mit of d a.c > b.d dan a-6 md c-d ford pof zouffer a.c - b.d with any popular guff from (a.d-(b.d) = (a-6)c +(c-d) 6 muly of min Juflaw Jund winds on nin and 6 profilie Gyz ax6 we yd yn full (a-c) > (b-d) w (a-b) + (c-d) ignald una positive greft yn lois 2d proporties miss in (a-c)-(b-d)
grown which softer is (a-c)-(b-d) miss
and friend with problem 2 west Ond a; c 76:d, for mis 5 of a - by nums pof 3 = frien M. al - 6c = (a-6)d+(d-c)6 opol mifts pof igs. III tapitel fit of nin muniflas owney of 562 is If I dufin man on abfoling grafting 12:2 1.2 1 Je nam fo 

3 5 66. Nab = Na . V 6 Ini Va . V/6) = Va) m /m /m /m 1 a) = 1 a sin fra m a a Lanight Va . V' = V-4 Vat. 602 = 4at. 76. Vo2 = a. 76. 702 36%. ((an) = (Va) n In. ((Va) n) = (va) mn = an  $568 \quad \sqrt{n}(\sqrt{a}) = \sqrt{n} \quad \sin\left(\sqrt{n}(\sqrt{a})\right) = (\sqrt{a})^n = \alpha$ I'm an = \ anp de de (m/an) m/o (a") = a m/o Van = Vinile mile Sha miles witt m ud n m n muliput moun kais infordanis willn din fameln min galdan ann din Souther Anches any abfilte your lustran to maginal gift in Out driet way am su (am) = am an  $\sqrt[m]{a^{3m}} = a^{3}; \sqrt[m]{a^{m}} = \frac{a}{6^{2}}$ \$71 an out onlevelnin Johny Undricket yan folder in min mondelle as attent ist. Aft as min ogny Justo 3. 2. at = a for ind anuf 18/A vons Ja:2 = a dougtable vold Ins Lyngialla soill in village ningafflug dan

Deklay at = Man nd = 19/at no is soulus nin an Ma" = Wat Inhall m = ta in. Ini yan = am a yar = at velde die Egen and die nunder refluis what with my = mys orthong = mps (Var Im yarm will in the 2m = to fine my = tong orthong = mps Dufar Parm = Vang = an of mulion mufuling of man = my ang me Var = Mamp = 109 Sur mur mp = 109 Nout Jud/and = Malland Oh I'v formeln dar ognyn florleg av gliv yabroefn & 13. mambe = am+1 at a = a = a + 3 .1 Va = Va dop som Vado) = adop vely mella d undfri wiel draga downal wief Venharefrigues. at a zmi Robingen murdon mulliply mai mun aprar Exponente Jume vil Esponent when In ghumen Hoafely Dignard July of muitable a to a = Dufar mules in Bury hiff Luffart - orbanwell  $(\sqrt[3]{a}, \alpha = \sqrt[3]{a^{\alpha+\beta}} = (\sqrt[3]{a})a) = \alpha \cdot a = a^{\alpha+\beta}$  gong micking ana=ath

2. fomel of  $a = a^{m+n}$  J. f.  $a = a^{m+n} + a^{m} + a^{m} = a^{m+n} + a^{m} + a^$ Bad. Va = Vandtyp Jun ( )/a 2. /a 3) | = a 25 a 3 = a 25+ 3 B 3 famil. am: an = am-n 13/a 2: \as = \psi \as \sigma Asar so and a and - y B. 4. formel (ab) = am, bm s.f. (ab) = at. 60 ( ) (ab) = 1 (ad. 10) d die ( ) (ab) = ad ( ab) ad ( ab) = ad ( ab) = ab) ( ab) = ab) ( ab  Earning our Show at sell = Hot and of she Na = Mard in Sar = Mark = Mar = Mart = Mart + 8/3. 3 formel. Jell ato: ato = a tot you muight

Nax: Var = polaro-go Inter

Nax: Var = polaro-go Inter

Nax: Var = polaro In aufuntant Hornel yoll (ab) to = at both yours Yaba = X/ad . 1/6 d Ini 13/ax. 15/6d= 1 (ad. 6d)= 1 (ab) d 5 formel full (a) 1/5 = a 1/5 / min/5

16 (a) 2 - 1/0 a d In 1/0 a = 1/0 (ad) = 1/5 (a) d

16 (b) = 1/5 (b) d 6 formel jule (a is) on a sor of min s Max) = ys a y no you when \( (Nax) = \( Max g) = \( Ma La seference de lay un feleule  $\alpha - \beta = g - \delta \gamma / \alpha = \frac{1}{3} \frac{5}{3}$ .

La seference de lay un feleule  $\alpha - \beta = g - \delta \gamma / \alpha = \frac{1}{3} \frac{5}{3}$ .

La seference de lay un feleule  $\alpha - \beta = g - \delta \gamma / \alpha = \frac{1}{3} \frac{5}{3} \frac{5}{3}$ .

La seference de lay un  $\frac{1}{3} \frac{1}{3} \frac{$ 

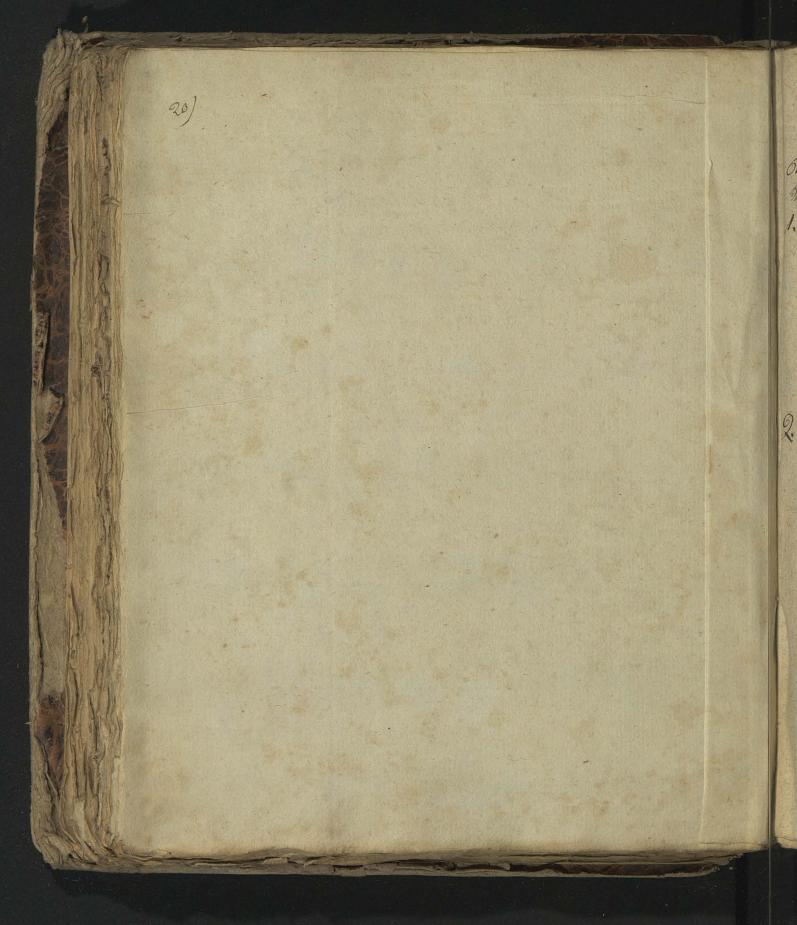
374. Of Din Jarmelu Dur ayrum Robaugue nur dis Differenz Bolough o my fel mu? 1. formel. am a= am+l  $a^{\alpha} = a$   $a^{\alpha-\beta} = a(\alpha-\beta+1) \text{ of } a = a(\alpha+1) - \beta$ and a = and = ela a monthe Til formel.  $a^m a^0 = a^{m+m} a^0$   $a^{\alpha-\beta} \cdot a^{\alpha-\delta} = a^{(\alpha-\beta)} \cdot (\gamma-\delta) \cdot 3 \cdot f$  $\frac{a^{\alpha}}{a^{\beta}} \cdot \frac{a^{\beta}}{a^{\beta}} = a^{(\alpha-\beta)} \cdot a^{\beta-\beta} = \frac{a^{\alpha}}{a^{\beta}} \cdot \frac{a^{\alpha}}{a^{\beta}}$  $\frac{\alpha^{x+y}}{\alpha^{p+d}} = \frac{\alpha^{x+y}}{\alpha^{p+d}}$   $III formel a^m : \alpha = a^{m-m}$ IV formel (ab) m = am. bm & f. (a.6) d-/5 = a 43 . (d-B sorb /.  $\frac{ab^{\alpha}}{ab^{\beta}} = \frac{a^{\alpha}}{ab^{\beta}} \cdot \frac{b^{\alpha}}{b^{\beta}} = \frac{ab^{\alpha}}{ab^{\beta}}.$ I formel  $\{a_i\}^m = a^m \text{ of } \{a_i\}^{-\beta} = a^{\alpha-\beta} \text{ for } \{a_i\}^m = a^m \text{ of } \{a_i\}^{-\beta} = a^{\alpha-\beta} \text{ for } \{a_i\}^m = a^{\alpha$ 

I famel (am)"= amn s.f. (at 2-10) 2-0 a (2-13) (7-0) = ay-y 5+ 6 p-15  $\frac{\left(\frac{a^{2}}{a^{2}}\right)^{2}}{\left(\frac{a^{2}}{a^{2}}\right)^{2}} = \frac{\left(\frac{a^{2}}{a^{2}}\right)^{2}}{\left(\frac{a^{2}}{a^{2}}\right)^{2}} = \frac{\left(\frac{a^{2}}{a^{2}}\right)^{2}}{\left(\frac{a^{2}}{a^{2}}\right$  $\gamma in \beta a = a^{m-(m-1)} = a^{m} = a^$  $a = a^{p-p} = \frac{a^{p}a}{ap} = 1$  $a^{-n} = a^{\circ -n} = \frac{a^{\circ \circ}}{a^n} = \frac{1}{a^n}$  $a^{m}.6^{-n} = a^{m}.\frac{1}{6n} = a^{m}$ am.6-h = am. dq = dq // d-m.cp.6m 10 frage 10 = - = - = 1 he frage om = 0 min m year golf if if m = 4of is on othe Mod = No = 0 dun of = 0 erib (a+b) + (a+b) + (a+b) ... m moil Com - Oh. Eu. M.

18 frage /a+6 = Va + 1/6 och minoriforing Jan ( m/a + m/b) myrall wife a+ 6 Capitet IV  $581 \quad 562.10000 = 5620000 \text{ dra } 562 = 5.10^{2} + 6.10 + 2 \text{ algs}$   $(5.10^{2} + 6.10 + 2)10^{4} = 510^{6} + 6.10^{5} + 2.10^{4} + 0.10^{2} + 0.10^{2} + 0.10 + 0$  = 5620000563453; 1000- +694 56+ 3453 Jui 663453 = 56.10000+ 3453 Sufn 563453 - 5610000 + 0453 = 56+ 3453 10000 - 10000 \$85° 4798 = 4.10° + 710° + 910 +8 20.10°+ 35 10°+ 4510+ to = 2.10.103+ (3.10+5)102+ (4.10+5)10+ 4.10= 2.104 + 310 45.102 + 4.102 + 5.10 + 410 = 2.104 + 3.103+(5+4)102+(5+4)10 = 2.104 + 0.103 + 9.102 + 9.10 + 0 = 6798: 5=56.10°+7.10°+9.10 +8 = 10°+3102 \$86. 15.103+210= 17.102 / +9. -15 2.10<sup>2</sup>+9.10 = 29.10 Que = 1359 + 3. 48 = 1.10+8

Aslegi van Juffan 12, 15, 21, 16 dat knugen \$91.

Agminist flegkelijk Broneglande yngenndre mustre
jo fort 12 15 21 16 och factorer dri Gull wints velde forbare 3.4. S. 7. 2 och farkorn 18 12/1680/140 15/1680/112 21/1680/80. 16/1680/15 - 15 = 1680 din gruft falleg? 10+0 630 2 63 3 91 4 3 3 Jun 6 and 22 outle factors Lniggirl 6/23/3 An 7 = 9+8 a= 69+ P a-bq=a,  $\frac{a-bq}{am}=\frac{\alpha}{m}=\frac{a}{m}-\frac{b}{m}q=\frac{\alpha}{m}$ dre wine an id m ynga Jorhan find so is wurst an - be g arun gry zuft skolylis m ama oppy zuft: a-bg = r = a-bg = r = r + b g = a mo doefulbar mindurum gild.



Chur Vinta &-Thy ingulating w. from Stiffe Ragales 1. Vem In buildined Mab outhou ge gaing out the grabl at I Kinna ilen well Offinger Sor waster doly mum Halkour subsynthall ognore weed Six following from Defensy at Minmu stennall In Infan Opins doub (ab) in bylanger full fine Hartor ognivernen fint aleur (ab)= Ea. a. a. a. bund mulin Wal= a 2. Our Sun Quel Swent Mablin amin ouronou on gavery outales, you fresh aware dout your wow duck andread out our ough Trafa Maryla pulyhalt, my mon mound a in on yfairfu factoren ynslugt und b, vaifnem offet fait gulduyt Ins ains factor our de flight a de des gou b, Z, In m and XX, m much ynumeral lagrufan Dufur st. h = ((ab) ofnin und der X = Va ud Z = m/6 yp igl /(ab) = /a. /b.

3. Sout 1 6 = pl 6 saw in diving low mund Living gur faitor forlend der fift mung which dur Condonation mour mings way of weed som guil vell recent down Minust Mayol ven girfu und of munde dounin flaglich Digt den ist X = Ya nd X = Yb of burlaft onit on mod your justin if m/a = x = Va the drys Van = make our (an) = \mana.a.a.a. n muel) = muf. & admir Treju Va. Va. va. n must = 5) Drup /a = am munde uf ming Frygolden Dyng oprhift de with ming. In if profully wings de (am) "= amn mid de Sin Radica: Sa

John Liadian muty: igh. In ynnmindfu if dought wam!= am and infrywon Journal langtuling Inn (am = am am Inguinhous is site analysis arthum my my Am 1 - Wa Va Va Man = Wa.a.a noul) = Wa. Ma Ma. brunning of a = of the int of a = t. et. it. Africa men your week yngulfo more fruit you mis grande of the min grandful, you mand non ju on, X sin a vysband mud dinglud a mind for girlu sprin vill en in n villeret au rist være if morde dockvar und a grunoman m von Joy's Man) = Va she wordshow garigun Boelen ig Van = an is une nin moutfillen rund for ig Van = ar work ningalenfill ar = Va wour our r = m m a = ma = mon . Lumur glift mil Journay fix Valory July ?.

In /a = \ma. /a. /a ... n moel word it. X. X. n more you non & vill worth, mid fulne dough foleveld por n in on ofne days metfollow if to 5. ormal , don't wille single & mulliple der vie Coming oil you a tillher. In a = x m ind Doe m = or for into x m will all Xm you xn din vie poleny J./ (xn) = xm q willy  $x^n = \sqrt{a} = \sqrt{m/a}$   $\sqrt{a} = \sqrt{a}$   $\sqrt{a} = \sqrt{a}$ Va frijst if soll a in mon ylange furtoren garlugur. Garley of men a gå mys in an yening fartoner for mind jatar factor gen mæster am santor din mte posing vinburufund min vilgo Im muforna farfor je known mugst factor in on yenigh fatoren zurlag Low Fin Walmight one graffer

Law Sulley in string of any sing in med in me with the sound of the street of the street of the sound of muit mun duf nyng spillig ninan gar. muldeten bind windt in winner winflingen rely man (and both and and both and bot  $=a^{\frac{1}{m}}.6^{\frac{1}{m}}=\sqrt{a}.\sqrt{b}$  $\sqrt[m]{a} \cdot \sqrt[m]{b} = a^{\frac{m}{m}} \cdot b^{\frac{m}{m}} = a^{\frac{m}{m}} \cdot b^{\frac{m}{m}}$  $= \sqrt[m]{a^n} \cdot \sqrt[m]{b^m} = \sqrt[m]{a^n \cdot b^m}$ 9) Ja = \an my ind nounds block 10) a.  $\sqrt{b} = a^{\dagger} \cdot 6^{\dagger} = a^{\dagger} \cdot 6^{\dagger} = \sqrt{a^{\prime\prime}} \cdot \sqrt{b} = \sqrt{a$ =  $\sqrt{a^n \cdot 6}$ 

11)  $\frac{a}{\ddot{\gamma}b} = \frac{a^{\frac{n}{m}}}{b^{\frac{n}{m}}} = \frac{\sqrt{a^n}}{\sqrt{a^n}} = \frac{\sqrt{a^n}}{b}$ 12)  $\sqrt{a} = \frac{a^{\frac{1}{m}}}{b^{\frac{m}{m}}} = \sqrt{a} = \sqrt{a}$ Jus Durch 3 1) (a)? a = I.f. if foll im Lugarismungin a fundam to Just a mid for pulingry ab aguel singer Lay: igs 6 mg in mying 2) a! ( ) a) = I f. if full son Lay gon a Lundrus se don't Va venist predengnet a gribt, Brigher Log: if b dan (ya) = 3) a: ba = informandale dufar Gentomie ( I. f. if foll Dryming zoeft of indand rønlige mid a?b podenziret a genbe The mis viber ail, down 6 din Wife if mulifu mil a? 6 polez.
a vjubs mis fin ig a= 6 4) (ab): p= If if the gir such party ab Olong der Muraut Juling down finer muss our ubfoluker greefen die Rada ift an winds Juf dough ab vent louden po balt madred mulglift men zmy out vent is po doch fright with you good will dar dagandhre (ab?/p) vunguings. Hun igs orbar ab non Pradult, globyling husell ged factoren zun Innen Judes p igt. Oreitfin igt & rudour lab? p) min samme gow y+x mo y mudridut, omt mingulnu po dar min factor a burgafo, wont vind dane Ragnerd gun a milar des bapi p, mid & irudrided sind min genlan p, blinghaft, von den Loguest you b du dar holis promounted 2.1. ab? p = a?p + 6? p

s) fait ( ax) ? p = a?p - 6?p. Van menfor line 4) gaderfan Menvin Julyn ist of mire younge guill into land auff un Jo gralau fo vell tru Lagar et voter (2) p undantal. List orbur 6 m a ofun Rad mulforldur milfin min Jung off to week a my in The Denguest que a mid din factoren gunt mis then in den fartoben you a whom and vierly Das Juloven po gien af vent. Dreis fin in (a)? pomin Deferens you y D Z mo y dir p gon a Z Im p gun 6 omdruhut, when y day day a bai har 15 wid & In lay grue b and In but отапов. 2.1. Сар?р = a:p - 6?р. 6) (ab)?p= (a.a.a.a.i.bund)?p = a?p+a?p+a?p+a?p...6mvd = (a?p)6.

Differential in Integral 11. Anymony nouf dan Marklugin gun is of Chim in 10 mlas fem: 1828 4 mort misfault: den Guanda will den grundituelen mit. granuguelast spirit der opnymighten In anikm: Efuill Sat Muth: Mintendinosper und griff wire sin Griff fordan sin dub mort zoll fullys if. anfinist um doch Munforland dus Byura, honer for municipal, die if die gorland dufore odar linely ars. Afgind I Grenationen ift villyanimington Morforerund is analysis, den spif in 8 Komba Sondard, in din Analysis Sub fuderifin und den de drummelinfund moeb Myniff igt. web Bunulife ist sings Baymus hourd dow Mathe when muil I unandling igt. Some meit miven mill me ern unne vairffort, die oseden. outloingt. I'm analysis dub Crunus.

when den off: in finhegres Aubrig is sund du milure destyong dus Murforland der Paperist: vins In analysis Inlay. Nin analysis das fudentur in finan Elementer lafort in For Farian Sich Queauxoilan in molifun der 4 millung Agrenate Paufact in das Pravis, min more minglorifa Gorfland, Summen definingen, bradelite, Qualinher graar main adied, wherehird mully die of in mill Mulle, down mid Trufts buy foightightif din mocks mife, o igh Dus Rymetenlant isc den +9 ind -9 find known mely sangualland Cinings un, Jundan Just Rivys die Rynefentanken Der hemme o+ of when hav diff o-9, Die analysis first win Cymisten your Quymanhourd, Info maniper and beilinging nofather Egmingsu and Sand int mer him Operthinks Amaginaine bewegened willed no mil

In Jofann analysis with I'm & lugar andrewien for your anidowy finder ifers Ingungales ja unvinder med In In prates, Rayala min much ungutus brickdrich, Lamen, Syle Or: Bust Polongon Muigaling Ragarelmen pany night adult fiels mille doct. whening ranguit, lagariament. Min din medamentala fort gas landrichen Our dur Diff: a-6 muly ming and war milary and. formen Showit wilar das zouft of in In negative of organ Graft: An Eminer anight byt if win mid d'ingre doill mices : shake will bestundment uplkner. fins Orumnifuen you dow villed: Gorflan lafon Leni dolinger muito man d'in laymitta var youngon palesofunan and nightion Choloryan his never sinner villa: Engine war villy: polary a orkynluch I fort.

dan mod für guyd Cakengen yell browings in mift die just Taking Baradones dut Calcult, rub. Din differeng Taken unhviel din younge, In Hil Din negative youngs tolen, in fif med unin diff. Volus A a-6 A Olivef dellegammunione de nywiet das Toling Ab minda der fair mais b= a-b de Dor Smid & hville undfollend, gong golf. 9. negadine zull, ynbrochen zonge met gabroufaun negative zorft. Ollens Sin Syst Lovel murie nonbrounds mind, defininen muis Julifu Coking wift. As a min absolute quel to iffel a min Most und grove wird ninner unigin Losfor forlland insakowale zustun may Ina 15 for mina shortly buglinthe Convery his die din min territ if der Tun goiffwo und Muning must mis andlas gralen Hotorow bufluft. Dri Anifunda, ann unightnun monstlige Genefrag in ania truffige gå nort monerale, za listere if det farffrift der algebra.

Time Benefing if mir sentifif. selle in 3. Las algebra Ismit din den Simuniafay (mi. afundan. bear dus history on gundraliffun Cylais Smight girld, din nine gund. Off. grini. und. Diab striped bruga din guadrat V vellen Judava landa Hashfr (+) en (-).
Lumum flingst henvisies der din Gl. X+ a=0 mill vinifications of morning Koin. I. f. At ut kninn Murt gabe In lase off: graingt and fift mind howing In angrift In quadrating is al mod minfo gu gravollynnamionou) unfinling zin lengtreume nover fa igh meis a vellet miglife if. velow onef min negative zoeff: Dordavil Kirllan din imaginairen Ografan vins. Get morde och of m no very b. 6=6" mill splan for Va = (ya) hit in might ilinozaries grander of built fartoren mind mid der Follen bendunkan.

6. Din Va ift om dantig ind priv it vely's din Burdolf no Ajuguis assigned langton Gelly Graginaeren frejann Britisher logdin shif much die magin: quadrat Popie zul zwinithfufour. wied des tengenaft der polary if wel in des Brights vindgertally Mais Enquiryme and mid Tolingen durano Exprenent a-b igs, wind verbury igh don't Polenzisen wirts mortificath of ing ignist my Dent man in a & dut or oulas fair klaire Defenential anfunces (Jolland mir die A maydun Epenadioner unmillige Rufale. Dan det møretand ind mundlifn din Grenationen ou. grupundt. mit groows din minulligher Aufar zu habverflur, duch zir tomfolden ingset vellen folefur Rufue ji kourt, Gasegill get fild Driver Rout fit Love Sitts: Aufung 1 Comme Rout ful foodignes wings mulifum fryst die Deviza Mult Jogunge mour zie dan unmindersfra lenfa guloungs, my fin ji wast undstrufui.

Chin muliprofun zi myt kar drued nen. J. Mar uf 3-6. I dart 1+x diordie und zmun vilb zuflynifun dividre, mohai inf en prublif for det prifar in un oruderes grangeworld forbian on ill, Int dentiller landing And Diesper Muist grabt ymour wien inch antipopelar, Date ub gribb sugarfligh Domina din dam muran ignyabaran Deuligt find. Moulife nun Dinghen un underfun dennum mill mom dare forban. Ju prukt: aperiren, mill mour un quiefun forbair dub unin Summe if went dela differ Systeme yeverdruk, und derdurif mind die Briggerlen lengthen ! Of Dro guminou Singles burnefung winds foll anding my mifs fruit. Afait of oily I druf 1+ X gi drainen forlen fo grabb dreet HX . his you qual kour mone mines emburg from jurlamgan die doubfaller andridal, Irafa builopular of drophantisty. You Onablither Orobanton will mon gargofalist Bubdwirks, din oll algebr: Sumen hudweifkal

& Ontel if min Tox in nous himme smally. garyoudalw fallen if fulgandan topy youly mitif. I'm velg= form & Guot on = X + A-15X www muffe in bruke dung to multiple: To ist die ville : harn minn Guahinter Houl this fully in alg: magnile ful of must vingan Lufuyul zum Refulkat zu un undenfun hummen skieft, dis ville dem Guol. To = find indam in shop & windlif maffindnung nufmin Kuin. I'm aungunding wind win n hout A saw frifigher fright dur higher Ording Insul wind dinglat youth doct you warin D'ourinew. Common mis dinglan Lapropoel out werken Outplande It in wien Junime in gurmon Inlu. Whoth & But if surffendmen suffered if nature ! In findouffact in man de mount

And Buy itakleshine would if your minusterfu uning munde Rife, afen Is fin fullest me This 1+ 1- 1- 2+ 2- 2+ 2- 2 + 20 South in winds freth 2 = to formed 1 = 1- to + + 100 - 1000 + 10000 - 100000 + 1000000 Que dus oungiedes mind ymmiguling del lage. agind vinbyalor fan . In In Outley Ping must mun when Dub leninotfaction Binner more men vicibings and go mistan in groof der duffer is den mis lengefun. un der suiff, ind drube mis win auch In nouf daw bukouthun Gryrla shortigal ofund baydinning dar bruguft de lyluddes inn in dar drummende gade brugoft, ari Enguifus イナンニュースナスースナダで、 ig fluf, den mo if vineffine muß uf Int lafte afind der nin revens igs, unfmund Anythe languarfies shifted verif die inverthis you thefully

orlb of = 1-1+1-1+1-1+1 -- - moing In mind Minnered ylainbaw and duf wagnild fif down main mom foots I, velo of 3 = 1-2+4-8+16-32+64. much fif way und monte 2 = 2 = /. I'm Anthing kuid of mire down mun if his grmiften Alinde Senfru blirt, hat mulyand his balruby mid drew duch laften deraufylind mulunfara g-2. 1+1= == 1-1+1-1+1-(1+1)= 1 =1-1+1+1-1+方=亡 the = = = 1+2+4-8+16-32+64-128 = Die Outline 86 + 128 = 42+42+6 Gafan min gum Mulkiplignand min der olyo 85-(84+3)= 3 Die un audligen Raifer mulyhufan. Muldiplizion inf (1+6) wit fif fully mind fort to bullian in mindre num vifulifa (Anifa, man if mit (1+6) ofur Alude mulliplizione Dinga blow in mucho funt in der John immuling fizmen 6+62+1+6= 1+26+6 1+36+362+63 == 6+262+6341+26+62 6+362+363+64 1+36+362+63 17 46 + 662 + 463 + 64 is f. f.

The South if mir (1+6) & and mid murowsh smiltiple, unter & min ablal golf union Vis, yo Labour if folymund Ray (1+b) = 1+x.6+ x(x-1).67 + x(x-1)(x-2) 63+ + x(x-1)(x-2)(x-3) 6+... bib if ja aman Blinde Karisa, mo um 6 yorkout. Abdin by fir & yild, mon & word mind søgute & abfalute guzu Zorll if. fligt du binom: Holy. (Mill inf mixton ob (+6) dregoulles wribt muis y = - x. Yn dingam Loula is (##6) = (1+6) x = Jung Si Rugh dru Divis garriestad, mute men lens numme Blinde orinsspierd, mid dies lughe Gland mifualment bullum if. (1+6) = 1+y.6+ y(y-1).6+ y(y-1)(y-2)63 po rif manglufu det if furling un blows for muit if mill vibar to lapper aglind

midunfunu mingto mulin must y = - 00 Weller Sulfu Rufun upipman in Jus. Worland orlen in brogued find fing wil njestian vels mils in der Horfiet, Ordin Juliu of ( 156) & more & populio war nynku Juin drugalla Mula vyrebe. Denound nefalls. 1. Apr & positive rough Gull (3.6.4) Som How in mis fin Chrism int arrandle for Sudan, den my dur factor x-4 velje (4-4) morkant Buckglind o med med villa folganden varf o. Et if sofue univelai ob inf miss dis stalland Out munderfor semgentings Inceba what mulh 2. ggl & negation out som with mind en Anifa abaufvillet intunamblifa Involve, man of drings must in hem whom mon infution Time shouth unfulil since Chiefs you nuchus still hav augre Blinder, mo orber sol lafter blind arrightly Tan won many Land

14 miszing nouff frie must. Influ Geind veibynlaufting moderi Soil agent me much weighfird, of unit amoifes for must dreined Dueb bullan afind, muliful now gunun weef blenning ist, bur In Anif Rily And mylanar Ourbaid, oil gangify med and Augullaum nufnit badoonflut manding 4.) Quis dry Coffres (+6) man y=-x mingala fif sinn Anifa memorbala, In In vois (1+6) unly italk no Wentief mind, dru.

(+6)9 = (+6)x (mu y=-x) mu (1+6) man if I'm Divis: morkeris gurrafde gind H(-xb)+ (-x)-x-1)-x-2)3 vely = 1+4b+4(9-1)62+4(9-1)9-2/3 in of in yndoughour Comm.

fireklijf Horestvingn. if Moids weif of From dula is. 1-1+1-1+ 1+x= 1-2+2-2-1+2 = 1+2-2-2 +22+22-2 = 1+2 1+16+66+16+64 1+2 1+6 6+462+663+464+65 1+6 1+46+662+465+64 1+6 + 56+1062+1063+166465 1+26+6 6+262+60 1+26+62 1+36+362+63 6+362+362+69 1+36+362+62 1+45+662+462+64

Dur limanish Tody intrafficiely Mars: (0+6) x= ab+ 62 about fristed in a guadrat; a2+206+6 Johny aund (kinoni: wind ist afrief dur a16+2063+68 a + 2006 + ab Narrialionen gragmus a3+3a6+3a62+6 und Mindustfolies. Die duthe Ordens ist shift dans Paris Sioner of Soil mid Apparatory selection on mo und Found of the Sumon mario un veul a ind a soly med it Childrickla synhau. um am-1.6, am-2.6°, am-36...6 Cofficienten gue respec vuid sinte for driver are must in most you forbure reely go look to Lew San interior me Chil Swinder selas, y and I'm Remark Nantyvill San lastiment fair.

Munf Dura hallacustan Overly Las 1. · Pennutakranen my und while am-16 I.f. mu a for- a) well you'd fain & red 6 mis mind until , gun Coefficientes Proben 1.2.3.4 --- (m-2)(m-1) = m und am-2 6 35 loofs under probin 1.2.3.4. (m-2) [m-1) mo = on (m-1) und am-3 by local forlian. 1.0.2.4. ... (m-3) (m-2) (m-1) m m/m-1/m-2) 1.2.3.4. - (m-3). 1.2.3 is fight. Invanced multiples din Vinkerifkrit Just. (1+6) = 1+x6+ x(x-1)62+ x(x-1)(x-2)63 About if x = m and a = 1. July. Mis molean min sign vol (1+6) & Bringellin

18 fois unfailing, your y = - x ins (+6) y = (+6) -x = 1+6) x = = 1+x6+x(x-1)63+x(x-9/x-2)63--6x 1+26+2/2-1/2-2/2-2/13 62/1/1-26 1+ x6+ x(x-1)6+ x(x-1)(x-2)63...6x - x6-x(x-1)62-x(x-1)(x-2)62-6x - x6- x262- x2(x-1)65- x2(x-1)64. Now Ruy ? - x (x-1)63+2x362+ x2(x-1)63 - x(x-1)(x-2)63+x2(x-1)(x-2)69 gaff wiff - operfar.

1+x6+x(x-1) 62+x(x-1)(x-2) 62 --- 6x = 1+x(x-1) 62--- 6x --- 6x = 1+x(x-1) 62--- 6x --- 6x --Organization or sin Anywin 1+06+ 3(2-1/8+..=15 word 3m Body 7= 2+ 4-102 proveningan yo region? An ourgranisatur Brokin ling Q ghuning.

Q= 1+1-1-36-3(x-1)6-3(x-1)6-36: = 4 sin denny from So or mone  $(1-x6)(-x6-x(x-1)e^{-x-6x})$ 

Din Sinfron weigh hayon Airhan if full gangillals. Of orleans. (1+6)x = 1-x6-x(-x-1) 62-x(-x-1)(x-2)/3 waynel fif fou donout, mui opit d= 1 sugner. Dets is (1+6)x=1+6=1-6+62-63+64. mulifatoring 1-xl -x(x-1)62 mild fobold mount x = 1 full ent - x6 = -6  $\frac{-x(-x-1)}{2}b^{2} = -1(-1)b^{2} = -1(-1)b^{2} = b^{2}$ -x(-x-1)(-x-2)(3=-1(-2)(-3)(3=-1(6)(3=-6) ne of of.

22. Sommer at ou Simme yang andult. a+6 = a + c - c a+6 of nafun - june 12 Sumander a des zymila a+b in down = +-bc a a+b = c + ac-ac+bc

a + bc

a + bc = c + bc - bc grunommen grubt - bc + bc ar drub

arb arb substitut years =  $\frac{c}{a+6} = \frac{c}{a} + \left(\frac{-bc}{a^2}\right) + \frac{bc}{a^2}$ Lif Könte at vibas lengumens moupe at6 = a · 1+6 md y my ombulu 1+ 6 weef In form: 1+2 = 1+2+2-23... --- ± 2 + Z + Z und voloreta don Tallan. Rufulig 2= & veyle +6 = 1- & +62 - 63 + 64 = 1+62 arraph in den Extenspires

a+6 = a . Ita . substitut ymbl 23.  $\frac{c}{a+b} = \frac{c}{a} - \frac{bc}{a^2} + \frac{cb^2}{a^3} - \frac{cb^3}{a^4} + \frac{cb^4}{a+6}$ 发 man mir din Anife bai diaspun Glinda Jollingann mullin Mi palm drintab verikynsknied, men dun buggirt das mundt: Kustun zu stouten. min frie milydafan und I/2 gin mins d'appell mandlif find, did if Into antificial innely Suntain Kent Dividane inf min zoult durif mines droifer you so ginhan humanden min if mile baloutus inf immen dontalles, of ale Die Franker Sumander 3. 6. vighlight. but wie Offind a mod in it is muid of mil & abbolut ift. Du la Komen inf 1+(-x)6+(-x)(-x-1)62+(-x)(-x-1)(-x-2)63 and me of swiftjoon Spaint min luggers

24. Muly suin under rin underfor half gridd, in dans spallan This we down my is you mounty Ruspus omislage. halls forbare. Did Knifn It vlerynn drugord rift yters (+6) In Bush vely = (+6) x m does is = (1+6) +x milfin Aufn dub ing dav kin: Vort glev

Ruifn dub ing dav kin: Vort glev

negative Expon:

I Swolfalguing ( opich very (+b) = 1+xb+ 2(x-1)62 offin x , muis a diff guge zofens is ? The unfuling = 0 Down ingo (1+6) = 1 If how wen Sin mullyil: of everiften and muft bullown 9+6) = 1+x6+(x2-x)62+(x3-3x4x)63 if ourif 1. my wit willy where are glindars sufuru mjur inbevoil om glimber of = 0 mg and nu mg est x=0 yp.  $(1+b) = 1+\begin{vmatrix} b \\ -\frac{1}{2}b^2 \end{vmatrix} \times \text{ And in falour ar with }$   $+\frac{1}{3}b^3$   $+\frac{1}{3}b^4$   $+\frac{1}{3}b^4$ 

Church alene drugt dent flaut if orlla 25. find, I'm mid & afficient find in x. R. to dreys if folgunant arfords (+6) = 1+ A, x + A, x2+ A, x3+ A, x4 Line mun folespie Quife of Inlife boyne non be sporteriet, at ning any our all wang the last in the In your I For 24 builty. in min din woul Tody you at shorterieft mile outbrondelin me dru Coeff: Jalans munull Amfan find din nouf Pokenzon gan bestordbrigt. Do mo if die Coeff. Aufun orbbriff Named don't fraging ung glised dongte - Of Som offul swory in It dodles. (pd (1+6) durf a goografaeles. To mind (-6= a-1), ax plax+ 2x2+ 2x2 me in den frott: faorts b, (a-1) ji Salmer ift. mid for mandon for denfun die word Tolengen gan (a-1) lungen. July springs for vin Colf. zi busain. dur Colf A, loists frit lungs hundern niv mail mom in laids and mit mollanden sikurynn finden outsjouwerd boster an A, virtyndrinkly morb fairs doca.

26. In outer lact only only on of your a olferning fried. Who bulent dins will your & wine Diff. graps Josh = - 1. Enfor if x=y. for ballown inf ag = 1+ Ay + Ay ?.... dingloss. blusban drifulaun, meil fra gru of multinging find. Telyn in short x = x + y, for bodom of ax+y = 1+ A. (x+y) + 2. (x+y) + Mul sun rolp a . a = a xy July of win short ax ay, axy, In in will ansfan, to y non mucht Jul In Offer Day Toley: in now Off: Ind numbly Rufu, modernin Am inde my our. Don mun inf der den Rufe mend at and af mil munauder multiplion and fine more bolenson you & ordered more frame took winned Martine

went folary away y nowbind for It. white there, and must tel dri And first a x+4 ving dinguller but order of mistan den gmui Charlan = frin, and Dor length nouf Overyen v. & you ordand Sund for minther ofma Coef yours my dar Grifa mont igland spains must inf bullourn suit Dingle Chart wantlif ginles Gluifungun gmidfan y und die logt longton Jul Doumouf leng Turned. und no my und A = (A.) = (A.) An = (A.) is f- f. Cf. Si New floring year II in III don't ge frankhuft dorfne die Gl. a = 1+ A, x \(\frac{A\_1 \times^2}{2!} + \frac{A\_1^3 \times^3}{3!} + \frac{A\_1^4 \times^4}{4!} + \\
\frac{A\_1 \times^2}{3!} + \frac{A\_1^4 \times^4}{4!} + \\
\frac{A\_2^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{4!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} + \\
\frac{A\_1^2 \times^2}{3!} + \frac{A\_1^2 \times^2}{3!} m. It = (a-1) - - 2(a-1) + 3(a-1) - 4 (a-1) + me intervall sin Laguinging Cylind Sont and instruction of you and mortan of. A, is downered you a orbinging. I.f. A in wien function you a flow to their of Joseph a inf fund you at much muchanifland Last Jun den belef viringing knist ift simp miln: die Al bout min Dant a gandfind hopath gaban

Dung swing gur II Laste polis. En In Ochpuduring dus luft officet velo your Does lugar a lind of wiffy much moiro, higo melia but bur affinelled Luis inte leature saw, and grant line das (Kurfn man drest starten (+6) = 1 + 46 - 4(-4-1) 62 4 4-2) 63-2.3.4.5 = 1-46 + 20 6 + 24 63 + 26 14 32 68 Dinjut op for (+6) = (+6) + min min finde of min funde of the state of soil Luigail it mynuster fo: (+6) = 1-46-4(4-1) 62 4(-4-1) -4-2) 63 -4[-4-1][-4-2][-4-3][4 4[-4-1][-4-2][4-3]-4-4] 2.3.4. wir = 1-46+106-206 + 0564- 5665+ Mis Julian Dought upo levi minum plasmes Ophion vinto midform kommit-

sum shifts den Dereffmundigknit umab 29. applement afinder, wing men die dover men folfal for sout der gugalanan Church glinde! (1+6) x = 1+x6+ x(x-1) 62+ x(x-1)(x-3) 63+ fin browing dark laplement of all with find by the of both of mind who went in "大大大大大大大大大大大大 afait is gentary or so in last apick applied and fin a first of the state of Quoter diefo (1+6) = 1-x6 - x(-x-1)62 x(-x-1)(-x-2)63 mulliho fit novinds og un if x=1/4/2. H forten abullar goralogished

Norto Inguno (1+6)-x

1+6=1-6+6-6 + 1+6 ymfriedry om much vinif 1-xb-x(-x-1)6 -x(x-1)(-x-2) 1 3 vinis on order to Timblynin X=1 if in Rayun In Coeff wind fudu much must ofalet form Indergrether of The 38. The Ind Supple Cylind,

30. The dordyrfung And Ho gargaline min mounde if a fruits Jef. July X = 1 und hullown week Ja= 1+ A, x + A, 2 + A, x + A, x + A, x + A, x + 3! + A, x + a) a = 1+A, + A, + A, + A, + A, + + ... + ... und drawind if a langaries, mais if met cample din aufn gollzing Chief In Ofl I) lungton fit vantifind holy abover full. July if the= 1 m bannsfun a dona ballounn ing ing med who with sife union, you mind you A, = 1 dul a = e To many vindall ful An Off: I in ex= 1+x+x2+x3+x4+ mulifu afunding dur e linghinden Zift wog af gonefall wints as & dumme Lurghorly major unsfield. ma vine & nums diff of Big Comment of e= 2,718 ...) ef: in swuffet for wir dungsprant me Shi A, blown ving ex gent paller

for moral = et, foloved napoling, 31. H= X walnuft mund, moet fain Hour Doe A ville mi glifa Mothe forbar kous Hulf mough if van in iftengun Venbar. byoney din Anifo in a) Fir e misus and Landing if South mis mich & mill mine diff opegst pollon sundnon is: mande your & your ollynman if to shaft mine finns pass ab gi langlimme not grand durif din ifm = Brife 1+ X+ x + x + .... My ming wiff in mondrout Shaffen In if it over doft down if ex mif dus durfn efterf dur forban mis villas bisper befoundell. If orbus & whose our rob self by Ift: Den grubs ex dub mort den Ringa grabs men & Dougalby, Inghalba Badanded.

32. It ist were zu unhandnifun ob die formeln his Defenny Robinson I want find die villy: floodungen gel? Ann. Comis mistin It et et = exty men and y diff: g. g. find order of des Cel : will man & we'y linking us won Dur den fulper mjes den = Krufun favitt et, et, ett. und fusan zu vle ven Gl: zm if fan den Anfun nun Dendiffe if def. It. = 1+(x+y) + (x+y) + (x+y) +. muit mid din Anefus Swifthufour kund Jun Fuller Jurail. Cf. Heuftrong. Die grante demend wagnet fif out der huglan. Om we log b = 2 of if weef throught dur Log: e = 6 ff min ex = In mull anfre for fall drings = bypins, of is um den denvige vb sommer ain aus: Inmilyif, I'm In figuryfunds

byinds. Dan din me Byught ford m Julya aut drinden den draguelle Lugary Jeuft Johan. analysis mig Is at unumberfu buil sidnih youlds food to, drunn drighten fryningsfragt gi Rous! Das n igh In westinslife Vagensme. Ordin would moun in In Orntrognifing.

On fin futbal ful wines du lagarel me neu b

En downer worlanded galat Menvice Sulpie. you In analysis Auf leadworf in der Anifu ex= 1+x+ x1+ x3+ den Junfan denfu fin 1- x2 + x7 - x6 moletu glaif is e XV-1 + e- XV-1 malifn sind south midlige down ford Din Rufe de ringrade Off:  $x - x^3 + x^5 + x^5$ grabs out Rufuls.  $e^{x+1} - e^{-x} + x^5 + x^5$ mer Lory Ouller ynneinn forban

Die buyden find die und berredden und mis forbande de spfert umgorge Johne. In my mary der Aufuch formation you at orb, find velys fund han to med felific functioners golflings mon our sol verebjedwick who fo fell die aragha Rufu Dung Cafex dru ourdron dring I'm & vint groundly mandan fo dress Coox = 1-x2+x4-x6+..= ext-1 -xV-1  $\sqrt{x} = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \dots = e^{xV-1} = e^{xV-1}$ Olouproign you I will forlyly Din younged amont durchafulance out Invertil for de day niet der ville : gelang & Lags gud (1+6) = 1+A, x + Aex? + Azz? + Inn My buful . Frem wings wer Donnerugh viribarfu form zu galan and min firstyl

wifns foly if ginneys (+b) = a in bullowin ax = 1+ A, x + A2 x2 + A3 x3 + ... mur sonsodnu In louff A. the is I of mife mafor daifour from min som den denfa (+b) = 1+d, x+ 2x2+... if foundare In aworf Ookengen grad (a-1) short hunglan saw out in al (146)=a if b=(a-1) Guls muß mund finfond wille laffi unken don't wine . B. In languninglin A, ventye: Joint Raw, and drawf Dray a Glaifrie fin Raid x2+3x3y+3y2x+y3 1-1 dorfar mings men bylandung an zminfon den lagfe x +3xy +3xy + xy 5 filden, malifu frif sured fille det ovelyn 6 x+Ax3y+6x2y+4xy3+y4 tieben, malyn fif hury fjilgla Det Ovelgu 6 Swift Swand Souther of a Quifning notyn ynfulls. with. (1+ A,x+ Aex + Aox ...) (+ A,y + Azy2+ Azy2+...) = 1+A,(x+y)+Az(x+y)+Az(x+y)+Az(x+y)+ links i+ Ay + Azy 2 + Azy 2 + --multo 1+ Ax+Ay+ + A2x2 + 2A2xy + Azy + + Ax+ A, yx + A, Ae xy2+ A, A3 xy3+ .... + A3x3+0A3x3+0A3x3+ A3y+ + A2x+A, A, xy+A2xy+A2xy++++ + And At wy + bothy + 4 th xy3+ + Asx3+ A, Aox3y+ As A2x3y2+ Asx3y3+-(1+ A,y+ A2y2+ A3y2+ - (A,+ A, y+A, H2y2+ A, A3y3) X+( + 1/3 4 + -

36 grown and for & yould (1+A,y+A2y2+A3y2+...)+A,(1+Ay+A2y2+A3y3) x+ + Aa (14 Aig + Azg2+ -- ) x2+ A3 (1+ d,y+ Azg2+ -- ) x3+ = (1+ Ay+ Azy2+ Azy2+...)+(A,+2Ay+3Azy2+...) ×+ + (A2+3A3y+6Ay2+--)X2+(A3+4Ay+---)X7+ Denn und Rufar Die Defurfrignie 1) A, (1+ A,y+ Azy2+Azy2+...) = A,+2Azy+3Azy2+ A2A = 3A3 2) Aa(1+ Ay+ Ay2+...) = A2+ 0 A3y + 6A4y2+. Az + Az Ay + Azy2+ = At = 3A3 our dri Az = (A2) (A) = 3 A3 Docpar  $A_3 = (A_1)^3$ 

3) A3 (1+ Ay + Azy 2+ Azy 3+ ...) = Az+4 Huy+ ... 39 As + As Any + Ayy + Asy + -) = As+ 4 Any +would be malled a die mileufo: loeff in bile A3Ay = AAy who du A3 = (A1)3 (A) 4 = A4. lengt drufullen bewl finden fif olle intoi. 1/0 3/5, our Sr byl. ax=mA,x+Aex+Aex+A3+ Q= 1+A, x+(A) 2x2+(A)3x3+... mind. maly ou din denum faultacter find in foleste ibungass. ax 1+ A, x+ A, x + A, x + mo it; = (a-1) - \frac{1}{2}(a-1) + \frac{1}{2}(a-1) \frac{1}{2} - \frac{1}{4}(a-1) \frac{1}{2} + \frac{1}{2}(a-1) \frac{1}{ doch of unfulil die ober in (a-1) man a=(6+1) of mushiff fif own Inlast, Its In vin Wanife für at dingallen igt vill This (1+6) de out fint det of requirements

gland juktouren unit, malifut zu 4 du gla = (A,) 4 x

Juin mind mort fif novimble mit if x=146/2

verif dinfor and. Que das Bel. 1) a= 1+ A, x + A, x + A, x + shaft a short (1+6) and An shorth, An wil Total do i figh. Lugaringung for pull proband month of many Rough II (46) = 14 A, X+ A, X2 + A, X3+0 unsfock. Gif skallu Doefno Ornharding when don's Supplementalund Din Ruifu & if went das Ruifu II) (+6)= 1+x6+x(x-1)62+x(x-1)(x-2)63+ pulplander you In Doe's supplementylied The 29 very man have monds. It sholes dreps Iry's own die dief I willin very on hus To wind supplement whind furban mints of for Juil bui In belding das II hit will In III) sobold der laftare nie keplement glind zier Hour

145 Su mo & abfalut mous four first fin min gg.

July aung lai (x+2) 2 aftende den dri mind ain factor = 0. In Anifo must wind forbare (X+1) Glistar, Man my in dim Arigh mun ming oudale, follow din many and new new hushande drugel gan Gandnow forban, and Chaiful shin you building and suit gas Glindry, mil dint din groude ar said sind my alifu mid, & adas &; &; & affind sind and for x , x2, x3 et in money hughinshow Braysell you Oftendow, very miss finished melfolken Jain Kin no for find very vin affirment Mow orbur I'm Amfor III, vier (1+6) nuls bunden mo x = -x mout. Down mous nin fragingings: gland notfig maliful mis line dan bell gunds Afanbenchund 72 29 in -x(-x-1)(-x-2)(-x-3) 64 vuifgufunden forban. Than if klow of well Anifus dis vint dan mil x, x, x, ut affindan Of : untilufue ifor foguis. gringan in Jalu fryvingingt ofrada Sar Grings. vuifn II) forbuit mingtone: Doch Suppl: Offind vilas das unione II) knifa Julby für ving wind dane Suppl das III) Minfa beldam mings and amow Das analogie mout my word

And Supplication of the August of the State (A) (1+6)-x 1+6= 1-A,x+A,x2-A,x2+A,x4 (B) wwa = ax = 1-A,x + A,2x2 (A)23 (A)4x4 Dru Evidenz And Auftright with Lington mal for laft, It nine Segylionenty find fry Houme mint, mil dar analogie maly original, dit as to hurfpert new ofain mings. Oluft mue den Aufe at 1 + A, x+ A, x + A, x + land to fruit if I'm to the at farouit gre 3 a bushown, mid druget, fund good A, in !! of in bushing your deablow figure my nes a=1+A1+A1+A1+++ A1++++ A1 musi A=1 yours a=1+1+=++++++++ Cf- 7= 46.

( furthalting) ( Wwiffswery zuri Varla 19. Chand Justain, of so sofy in al, I'm moule Situaren za mollan. Objis mbudun fino dufar di methode dur inclu-Rindan læffiniken om! Af. der Die dorme Heb buiblemitte mil ynge. bar if naturility 1+ab+ab2+arb3+ Jo might 1+x6+a(x-1)62 ... = 1+ab+a162+a263+ velo 1= (1+x6+x(x-1)62+--)(1+ab+ab2+a2621...) Opput mis In multiplication on trumpland

glo mint=1+a16+a, 162+a, 63

+x5 +ax | xa, 63

+x-1 x(x-1) a x(x-1)(x-2) Juf belde mins folige Ogl: 1+06 +06+06+ .. = Jumfullaw. dufter die genissingen zwiffen den læffisenden och denne fif a, a, a, az ag ut benfrim me muß

I) a+x=0  $II) \alpha, +\alpha x + x(x-1) = 0$ III) az + a,x + x(x-1) a + x(x-1)(x-2)=0 but Iw al I in a = -x Refer your outall fif his It by suffy on I a x + x (x-1) =0 ww 9-x2+x2-x=0 when -a+x+x=0 where  $\mathbf{C}(\mathbf{x}) = \mathbf{x}(\mathbf{x}+1) = -\mathbf{x}(-\mathbf{x}-1)$ Aufs mom dre Engle høvelfe in az+4x2+x4-x2+x3-3x2+2x +0 +2x X3-3X2+2X az = 24x2+0x4-6x2+4x3/12x2+8x=0 9/2 - 12x2 + 3x2 - 3x242x - 6x2+4x = 0 az + 2x4+2x3-21x2+4x =0

 $\overline{III} \ \alpha_2 + x^2(x+1) - x^2(x-1) + x(x-1)(x-2) = 0$  $a_2 + x^3 + x^2 - x^3 + x^2 + x^3 - 3x^2 + 2x = 0$ az+3x2+3x2-3x2+x2-3x2+2x=0 az + X# x2+ 2x = 0  $a_2 = -x^2 - 3x^2 - 2x = -x(-x-1)(-x-2) = x^2 + x - x^2$ Ob bashunn jis suns ville inbrugar Folefa Dirifion dar unomdlifner Dinfun dun if mufduirf dul gi genoueta Defferenzionen garriefland napulief soll. = 1+ab +ab +arb m morn 1+ x6+ x(x-1)6°+ x(x-1)6-2)63+. folge if um dus and bilind zi bushin med b=0 Ven den lasticunten das gmustan Glent zu linglier un

by spilhouspies if in das Raife our brydan Guetan Duch I and landum 1+ab+ab+a2b+. 1+x6+x(x-1)62+x(x-1)(x-2)63+. 1-1+x6-x(x-1)62x(x-1)63+... = ab+ab + arb+ 1+x6+x(x-1)62+x(x-1)(x-2)63+. dividava drugl: deaf but lakain  $-x-x(x-1)6-x(x-1)(x-2)6^{2}$ 1+x6+x(x-1)62x(x-1)(x-2)62+... Oralya 6= 0 in bullows a Vem den lætt: Det glindel gie stim. Den so og unde if læstallen morskorfom ow. Ginfa in der left. A. a vel and ar, -x-x(x-1)6-x(x-1)6- - - a-ax6- ax(x-1)6- ax(x-1)62  $\frac{1+xb+x(x-1)6^{2}+x(x-1)(x-2)6^{3}+\cdots}{2\cdot 3}+\cdots=a_{1}b+a_{1}b^{2}+\cdots$ 

Sun July rif Swith a Junian houff - x wil linkous for -x-x(x-1)6-x(x-1)(x-2)62 ... +x+x26+x2(x-1)62 x2(x-1)(x-2)63 ... = 1+x6+x(x-1)62+ -- [= a,6 + a,6+ --July poly for - x m2 + x m2 (-x2+x)6 m2+2x26 zinfantingnjogan winht x26 + X6 = x(x+1)6 160 mx -x(x-1)(x-2)62 don +x362 43x262 2x62 2×36 + 3×66 - 5×6 with mid ab mind x(x+1) 6-x(x-1)62 -+ x2(x-1)62+ 1+x6+x(x-1)62+...-= a, 6 + a, 6 + --standard mour sund be many you mind  $\frac{x(x+1)}{2} = \frac{x(x-1)(x-2)}{2 \cdot 3} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{$ 1+x6+x(x-1)62+---Alle if 6=0 you wind x(x+1) was -x(-x-1) = ay

be fundal morn alle inlarger Cartes

funda de Construction

46. Doe at fine mit de dravis je Hjunn info mu doct a zu leaghtimente, for morfene mirs fo mil auchdrainke, bit In , In mus subling Time, were safe many un findent ough die hufting. Ant Joeban Rous fi fin velfe a in Trufnu Glindava Bay Zim I who a = 0,1666 ---0,04166 ---0,008333---0,0013888 ----0,000,19869... 2,716. of the sympals infulif in a = 1+ the + the x + the x + the ignih ex= 1+x+x+x++x++x++-malifu Chrifu mit die Landining Dro

stip mus din Luvian vb. din formeligal.

Ann ob a d a d = a x+y dif. vb  $(1+x+x^2+x^3+)(+y+y^2+y^3+\cdots)=1+(x+y)+(x+y)^2+(x+y)^3+$ subspatiefet ob  $+ x_1 x_2 + x_3 + \dots + x_1^2 x_2^2 + \dots + x_1^2 x_2^2 + \dots + x_2^2 x_3^2 + \dots + x_2^2 x_3^2 + \dots + x_2^2 x_3^2 + \dots + x_3^2 x_3^2 + \dots + x_3^2$ + x3y + x3y2 +x3y3 mis ondann dæt ribenige noufed uderfellen xy+y2+y3+-y2+212! + 213!) x2+(3:3:2!+35:+...)+  $= \frac{2y + 3y^2 + \cdots + x + \frac{3y^2}{3! + \cdots} + \frac{2y^2}{3! + \cdots} + \frac{2y$ vb och o y + y2 + 3; + ... = 24 + 39; + ... analysis dur y = 24 2 2 = 34 1 -1. skund mynd, for de lrubb mit soulth Dreftaller fromblevart.

Westirley lines din Evidens must int ve analogie, mul min vella Blinder mil vintafrailace Coman, and it ming Infut du cenalque sif banis pur duris un Ogran slauffrend during agent. furkanten gudat unigalunu Blands Das ante In younge Auf & Doug in Sul Don't mund unes wien ovelkummen frintel moglif. Ar ammel Lornial a: ay = a y mail a -y ay worf danfelbare a x-y+your a yrubs. IV Lorlyhlung fright orly losx=1-x2+x"-x = ext+ex)-1 Junx=x-x3+x5-x7+-=ex-1--x1-1 2/-1 Mor more for amounted fing dough (Pos x) 2+ (Sin) = 1 is. Jun (ex /-1 e-x/-1) 2 = e2x/-1 -2x/-1 = 4 + 2 = 4 e 2x/-1 e -2x/-1+2

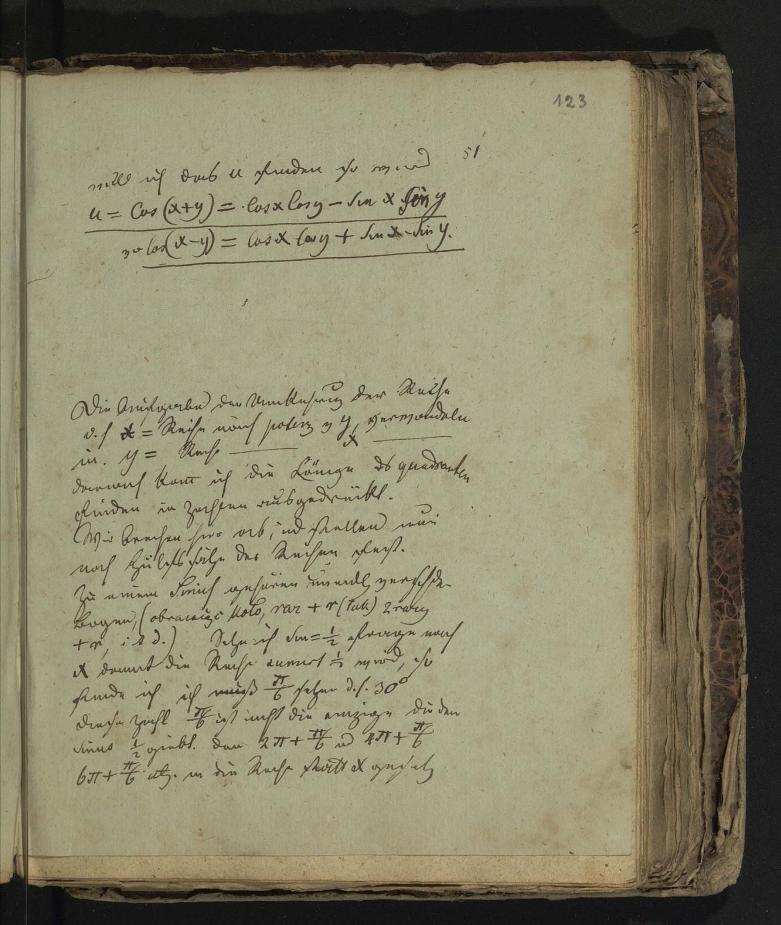
 $\frac{\left(e^{xY-1}-e^{-xY-1}\right)^{2}}{2Y-1} = \frac{e^{2xY-1}-2xY-1}{+e^{2xY-1}} = \frac{e^{2xY-1}-2xY-1}{+e^{2xY-1}}$ e2xY-1 -2xY-1 -1xY-1 -1xY-1 +2 = 4=1. Cening Immy allenn Orgango do singflowboun raifung avgrild fif Is. Coso=1 ig. din 0 = 0. mulifat fil avijult, muis mour manyadue in in Ampun spartly nen Casa ud den X, adns in din underfen Anguagned myslam shorts & , o falm' auf Inufellen tongs if Cos (-x)=losx mail medas Amfu nui los & mus yourds. polenzen gvolomme mid dasse non (-x) njubnu donstallen. Vin (x) = - Jinx my mil of dinipullar Anifo lenkous me und mid mikognaming fulland Junifore, only duck much de Anifo vrubl und - zurifan masnefitz

50 Opoguelana Luguar/aferesthan Jos anspur Sin (x+y) = Sin x. losy + losx. Sing built if nin y = -y fo min Vin (x-y) = Sinxlos-y + los x. Sin-y Sur-y = losy and Sur-y = - Ving for my 2) In (x-y) = Sin x-les y - Cos x. Siny Take if fronts & in dus 2 Of: (x+y) 3) Lin x = Su(x+y) looy - loo(x+y) Lin y July of in dow 2. Of. Shorts . 19 = 3 + 4 4) - Sin = Sin x (Cas (x+y) - Cos x (Sin (x+y)) in In(x+y)= 11 w los(x+y)= Y. Sin x = U. Coiy - Y. Siny when Ch = u 2 - Y/5 Um-x= u

dviets de Das Laga mundlif male In willy. Docts a mid 1. Injust fout, Jun ed = 1+ x + x + x + mo of fif group of ju gue to d'ist dugle großer mind den Anifu. Palju if shouth d = - y for more ex= e-9 = = muish y profitio for my und des deming jun on believes? ollfo fir d'megatio int mont moneff. vrieds min anifu din positio vis velar vin u bl: mind velo shier e mun d'all if, more d' pof. or oregal fine med den Ladner & an w positive wasor In Vous no positio neus garvernan sy. hounda! appell. Sufa if jus. In springer 56 on by villa hopelfu onegralt, June Hum mynd din Ouropayaba Indlage bushuren ud grow his dans brushuren ud grow his dans pringigen reeller Burblowith. Sul promi mon flow ignifican Du et = 1+A,+A,+ A, + = a orly A, = La und mus forlan gufundan A,=(a-1)-1(a-1)2+13(a-1)3- = La Outre of voles of with a = Ap 2 yo mordon mus LA (15492) forbur Overvier mun in - L (+x) = x - 2x 2 + 3x 3 - 1 x x + dræge Meifer mois unger Zugnik Interdring bervisige if en Diff dag. Mu houden ad=1+A,x+A,x++ vely a = 1+ xloga + x loga y

Con = 1-5 122 Norty Logandmen 2009. a = 2 moe die larafunten zull 3,518.-- s/, /2 8/5 e = a mind. mo x reell or imag: if orlin in no men In form d+pV-1, me dwpreell find. Denn klever if ville die Marthe dryndab und den find finden. dryndab und den form of form at 15(V-1) forban. Mula rule ud miegos if fois= p+9/-1 kom de formist din
Minin brinkyerbu ist is finden frances dud to fundas 1/0 8/5 e(d+pV-1) p+9/-1 und sind drugs of mings of wind below e : e st-1 = p+9\-1 volu e st-1 = los b+ V-1. Sins mil lus V= (xY-1 + e-xY-1 In X = exv-1-e-xy-1 ed (losp+V-1 dinp) = p+9Y-1 who las X = u+V Cos/3+V-1 Sin/3= f + 9Y-1 Son X = 4+ 1 2 for Cosps = its w Sin B = 9 fundal fif of u= mon mun Church & lin Y wuflingsh Ludu Ogl. quadrent warres mus / y eliminisen いた。テリールとナマルリナン・ア

" (Par ) 1 + (Pin ) 2 = 60 + 90 (ea) 2 + 90 (ea) 2 1 = fedja + ge ed = Vp2+92 fins if mis politiser Mynel misgr malmin mil die mandlift Aufu elis & nin negativ mind mun & reell is. Cos/5 ys win # 1/102+92 w Sin/5 = 4/102492 Lord dung Sin id Coal zing ling ynyahan if fo kinan mind nin no mman Logm wish In: Tabelle fundm yher. den Al: brann of und avive if longer antt dogse for my ind 1 = an I + 19 Juin Lasser for Singer you bans in your



52 yends synnow day Tallen. mil for landsommen m ut dry Dugullorla Sint = 2not + 1) = Suy. High day i prais, 27 de gruge Avent in gruge gode, I um Logani I.f. July in du Ray frold x, tind to fall ind neighbourge my as In buruffmis uf of bakkinin Cost=mor+q=Cosq Lugar, migs men vef barn virtue 35 Join down burgun dangalban den Derf vin un du formel (± 2n It +4) Larken mour nous shorts, or, waller joyfine you O his in mily. Dorb bument Ohm in I Buda to analysis . Olafe on an Die Zorhalle uns glus & Groffen drie Lunia frashura mis znefured shis ville L4 Jorban, min men ±2not outrour

Vinge lyle gilt mus mynn et = differs unter a & I'm Ruife 1+ xloga + x floga ?+ Sundan man & judy uda 6 igt. 2. Dub igt den villignenningt u Hohney Log a fort orline runnilly minte nouth about & mon is - diff y. 3. if for youth fir duf in me at if mong afin's lay a Julan svinu han't dan infriell many of fif dung young is. Other July if & min judgender of bakein! Connoff. Buy Inutal or villy Port a x villa din Marten ward, mulife if bokous. unt to Anifu, mon if flis & migned refinger of fu. Or if du Engritt de villa. Shar minhanding sinf ship my and dens thinker friftener grift into but Taking 1/0 graldmilie ig, old das read ar It Limited sudnited weiften mous den Emil vjufoline ford. Jup & makin ral, Down ford fin inwundly only Cagnet rive wood Jull on remine yer in muly ofor

38 Conveyen, if I migrain down fort In loke minudest mundling wind martha. Orean must must not untarylingen, un min mind die formele auf fur ville for Saryan gorg Ten & Cf. In analyse. Din yarrifulify Enfunding And Jun much my is leit julys puty itall forban, In with aupproba and in irrardly auf mouffly of agin mensionalis. Int spuffings yunnithales In methante do pubaghindun Calf und mour an = 1+Acx + Acx + Aox 3+ Anx + Dus if annufued, into glands ig and for on So and lifting knie agradusty shuite for in Drin Ormospund muffing of de offings of fireff). Its doct unifu Ogl. I fain migs arrypulet frif men &= 0 igt. und die lack je findnig gebraufen my ne Du vorly lak ay = ax+9. mus mus die Royan fulaw. my mo buttoran, In= the Az = the in for for Maller min glingfor

rend forland men Anifor Die Reifer nuft 59.
navourbynfals farden fin og nefneden but
bruflan mit wilw X Dogs. gry Juflan Die Coeff. finds if weres meifreund dach my un de mift warn zough lindam Lad die Muife wift & New horastad of Olimb Oringhyleily our's Inn Queinte Dr Jopen math: 1823. mo gugnings if mornin din Resultate forest faire minfelan. Does As bluid mulenganted, Ipforth uguil In any In Guil Inulie and unfo wented it funtaon mir die fignist. puit efes examine fort, of main men en den dnifn parts & , y Inly , and die lington anifue mulliplique, & Product - aut Rufu farie og ud ognet unen in Du Duffy should & (X+4) Ings. monfred to of this minn landindaw monfred to of this minn landindaw mostly you to not will only at the doubt most, Seen most die glenditait flix godne by not you it should skinden.

60 Din Rufu a = 1+ A, x + (A) x2+ brughail In month this it man moun x= 1/als a=1+A,+A2+A3+ pri a song = e = 2, 413 . . of of e= 1+1+2,+31+41+ e= 1+1 + x + x + x + stefor wagisht fif Is. (2+1+3:+4:+)=1+×+ dre Lufon de Log: men film forifre you.
gelovigen ind mom fil floots & I, et = 1+A1+A1+A1+ July e = a it = loga for Est erego A sympained and the tragered orly a = 1 + x log a + x 2 log a)2 + x 2 log a) 3 Mun mel nun lag (1+16) in ann marule Ala ment fol men & gammounder to Its if monda in Rufu mid method

Catt: omenfund, spragu bassim ne 35 61 " Who refund de hy (124) = bjx+ brx2+ brx3+ for find if mindy aniform of die mid dem Luga Sinfilla fryanstjagt forban more for x= y mo buhourd log (1+y) = 13,y + 102y2 + 13y3+ substantiol I'm by I'm aufun lag (+x) - log (1+y) = log (1+x) = 15(x-y) + 102(x2-y2) + 102(x2-y2)+ um unit of last +x) in Dush grangouduler in x-big in In Make In mil: Coof framework 14 x - big of fully 1- big 14 mil 14 x - big of fully 14 y 10 mil 14, x bis 14, d 12, d 1+4 = 1+ x-4 mt ful m der Col log (1+12) post & date most Is I. to mind log (12 x-y) = by (x-y) + b2 (x-y) ++ Thus - x-y = (x-y) +y = (x-y) (Hy)-1 

in & money Paif: ment betingen grew y don'then organism. un buken An =- 市好, B3 + 5 B. はり=一元ん、イータ、 me By imbuffind if Joseph mind log (+x)= 10. (x-1x2+ 2x2-1x4+ ---) to foruga nun In brafis to Rag. och . Mil de Christo ogustundan it skin girta Bujes mul log a - log b = lag ( ) Drush Blys eliv jada Vzafis vill. fs mints only by fin burdante beefer knowfund mundard, spel by my will modul to Log: youround. Organ if In trafis e napun velde hu norting Log: of much to = 1 gardindan. Oreland min min mind die Orlefrenngstydurd

Mund sims kaga: gun d grandfor brufis 63. Vit formel log a logb = loga dan loga = loga dandwelf mun mum din Anjan July driednen fre din Anjan ugule ud is black glands græffen modut Drift ja ging ourdulu. Il wonfu dies swil lindlow die Muista dung annofund, no il der dra Calf. I comison In Inethale Ir wird: Caeff, aluite Sull men fil sinus negatives Lot yo food of -x Ninger wis same profosiver Jungalban Cofines Drey no main infine his Relfer die inf venuoifm CONX = Tto + A, X + A, X + A, X + + A, X + AM x, (-x) Inga, for mindre velle mignistre Polongand regative die anife minion vely after - X whyord sendrous graban vell fint + & mullin organise Cox X in Cox-X) oringifican from do velow din loperinge incomment = find, to from dringer muft unidad de Loul fun vell et di apintus mit in: youngen rolanged wind foreland, It It ifor Coeff = 0 fried. Dolper Som spir Coo & , min & pof. De neg: if must folymen alife forth funti.

Cosx = Au + Aux + Ayx + Agx + Dox Caso = 1 Thiswill us - Inm that's to only to the mints = 1 Juin porfus brown if den ungan lieft mil ja strudnu mich of Cos (x+y) + Cos (x-y) = (os X. Cosy If a lyl most unforther more of Fin All: fur Cor x+y wo Cos (+-y) where not drug Parsy = 1 + Any + Any + Agh + -(los(x+y)=1+ th(x+y) 2+ of (x+y)++--(os (x-y)= 1+dr(x-y)2+dr(x-y)2+ Min Jala uf in Du Bl. Sheet Inv Cos. Dia Rinfun ja reforda el favolt (osk +y) + los(x-y) \_ = 1+A, x2 + An x4 + A(x6 + ---+ Ar y2 + 6 An x2y2 + 15 Al x4y2 4 ---+ Any4 + --los x. losy = 1+ d1x2+ dyx4+ d/x6+ + Azy2+ A2x2y2+ AzA4x+42+ + Ayy+ + dr Ayx2-g++

Engon anfan fred roentiff, Dervered opulyan In Ogl:  $A_n = A_n$   $bA_{\mu} = (A_n)^2$ A= 16 th 15th = Anty a f. f. me orla Carff in the write year will on. for how I downied out to you line Mien lovekt ab vilear modein frig unbuganit in Just sie Ruife slais Denis in den x = - Sink. Ich de Vinus de 6 negativen & in = Inu Sin of pufit & win wit -Ognefare o expapare. Olapun inf sever our oft Sinx = A + Ax + Ax + Axx + Axx + - Jun full for mound die pavigen forburgen nou (- x) poplie den ungowangan negalis. Den Raife regis non velde union Inw Jupicela nout vendown Murch golan. Fire fall order must Daw grifue more graniff: Muld dre nun Son 0 = 0 and - be ight doub wright of find wing o Infar down never for x = A, x + Azx + Az x + Az x + - mundan and fruits du Carff; mate inf amia Of: zmiffun louiser vinnsefrebn.

66 velov folefa Od: int midnegumen) Cos(x-y)-(or(x+y) = Sin x . din y sie lyle ingials fif mus mour den afte flir Cos (x+y) ud Cos(x-y) subtrations (More full news in morth, repulse) In Dufu xii (os(x-y) los (x+y), Im & I Im y . Organ men to duriffift ned vironal Si bakani & mein Blefas eyan zwieffun lucht mit mo ville Cast Lis in A, out growindl mardon Kinn Or Tys villa laeff ne du sugdan dayfor ind in dela met site wirelyndramble friend mordan ind ming ballowene Im x = A, x - A, x3 + A, x9 -Cos x = A, x - A? x? + A! x4 Gribs more with drew of union your of organy ind languand doct it, for, 2/3 die Rough grande den der de lang: pir den hoperly you it would, to palop Dif trylba hopary fine

oghen morphis mine minght men Vori friskring must ourgencom annu Afr on orbert burningen. O soun bus hust doct it, shis minin you planamed, for ju Jorgan musty my agound and April ou & med offerings sto do hourt Ho last alone of blailed, fin judne World mund of mouth or Couff you it in orbforings aft. - If orlar & un momente de Graffy: of in on & Inw Logar & faller glinif Smills if mis mitre & Im Cooper mite andris 1. for mand Imx = x in dri x2 x3. i f. of your must fry ment and wil ab blails x = A, x velyo A, = 1 Al vilear & dri Zuft de Grown fo min mul Prop 180: X=#: 2 veryo mind st & = A, x only of = 180 most un barjunn if.

Evyrub igt. As forband mis In Afra the din x = x + x + x 5 -18) (00 d= 1-x1+x1-Pui douth is May top. main if mis apply Con what uninfund, za firme de Sin w (os you (x +y) w x-y), muly at one Tylpe LLoaban, bromfrust dremoust awy olign squish sin Ragillais Christian A) w Vo) afen Sin & I love undrøjelle, mind In Sinfa Rnifan reus shir a oil offigur I walkand, for wafen of our for fellow yallow ofice judne L & muil oft bagnett mul blue to. parinte futto. und Only Ina Mort July no Sin mit Cost in den formel on if spir spilm LL andration forber int . Timfor noing fort blind in II Ly & Elin: math: aring ufforgand.

Die dofer: Auf: Yalbra Down brownig if holynide Rasfun 1. den benosmiel Afre you (a+ b) = a+ma(m-1)b+ m(m-1) m-2/1+-2. In Rufu find a = 1+ x loga + x loga + x (loga) 1 modru lage den norhindlufun ful? men de basis e = 2, 4/8. - -3. In Rufn ex= 1+ x+ x2 + x3 + inly log e = x 4 3/3 e2 = e m x = 1 m/2 1 - log2 mil luga = h fo sp ex a If lay e = 1 ift. fo aubo, fif Im Don't fui ex out ax. 4. Dri Chrifu für Sin x = x - x + x + + - - -5 de Aufrich Cas &= 1-x2 + x1 + - - Mb Loringe at borgant badrukat. 6. Dr. huf log (1+0x) = 131 (x-\frac{1}{2}X^2 + \frac{1}{3}X^2 - \frac{1}{4}X^4 + ...) Luding browning in mod for mistan Dought tin x = ext-1 - ext-1. 2/mx + 2(Grx | 1-1) = 2ex mi 2 (00x + 2(1-1) = ex 1-1-e-x 1

To mover fit magnift its e = cox + V-1 Ju Dinefor Trika fund nikfing min in dord Entern Her Deff: Rufus mujetyafan Probeni orgin mis or laif intenigningen of as nignish Union Siffe h. girl Judnu fif orlend vers our elementer auly ideals fort. Din binoming And in Dunlary very som fridlight gå sun Anifini, monm unt folkest flir X = (- X) ninn nun minnelign Muife youth interes Town unforling oll mit vand, din menned Afra bushing polan. Of f(x) nun bolinbige funds ix of West a July of (a+h) of my whit of (x+h) web f(x), to sto f(x) in frequently will for don't +(X+h) fif in nin main makes whole light went polingen and h, No men f(x) = xm if of mind (x+h)m win falifa the work ben: Tools

fruit igt klant ort in de Alfa de nordan Gland f(x) fini mint. En spelja if su Mich gede din mil haffiguet fuit floodlyn more fif flue out our higher Qlind and It (a) Dur ala Outhrill mind has last ins must mibagion! Im if swift of (x) bugingen muil de lact man for vibloungs is ny whish dan mar den Ala nejstind for agrift. drub alaffel denous soll h good bour un oils 12 lugt orlyte might 2 le fair drofine lacks of (x) warn if In Orblinitus
de funtt f(x) wouf x gruous nu Gest shalln if on I Quicky when Sendence min such milis of (x) = A, xm foll if fundam den Orblinking mund f(x) def. It (x) pi frankers giffif floot &, (x+h) w bulows A. (x+h) = A. (xm+ mxm-1/h+ ....) most of any abl tys of (x) = mA, xm-1 Dan uf graphuf wieler Gellentz war Ine laty

The once the surganital on Siv win mily Afor lund mulas Alla, men of Short A, (A+b) splyu. It buirfyorlen in f(x) = ax fin Deblantis ja jendina, And falu shoot ex, (x+h) ud mnnovedle Inn Que As vis mind Up wough in du Cath 3 h must vin Osle  $a^{x+h} = a^{x} \cdot a^{h} = a^{x} (1 + h(\log a) + ---)$ velos in d fx) = (tog a Jax mun f(x) = ax III Guich. in f(x) = ex min ight die forværubl fir for (dex) = e lag a orlen laga in frie - I only in offer = ex I Ouref. in f (x) = log x din like Soutable hughorfann

log (x+h) = log x + log (1+h) = log x+h- 1/x2+ In Coeff of hear Orbel: in orly in N builyorlew if f(x) = Vin X Sin Bly in glidy went dans fullen ynishoforu. Sin (x+h) = Sin x. lash + los x. Sinh = Sin x (1-...) + los x. (h-...) In Carff much if los & out of hu libly VI Busy. in f(x) = los x In Orby in fud. Pos (x+h) = Cosx. Cosh - Vin x. Juh = Cosx (1-...) - Jux (h-...) of of du bible- Sind) My us benkirman o che faleful Schema. ((x) = Aixm = a = ex = logx = lin x = Cosx  $\partial f(x) = m \mathcal{H}_i x^{m-1} = \alpha^{x} \log \alpha = \ell^{x} = \frac{1}{x} = \cos x = 0$ -Jin X Allus drab find uniforifi funtrosien Au judeming up fran Ind bowould wet rout or Oill so muit, fund. In Oill re

44. ju om gyglen fun: zu bilden and sy dock yniferedam to is I wan diff a. wordingel. Dan Deffenenzmen in mitto sudot out Din Ordenitungun gir frudan. Druger drawn folgenda Voila Briefozorba. Man Juliu nevouis its vella funct. Din Just forbian of short a (a+b) grylas efol une Ale bildan chiefet would poly Rott & July if fund: My of mon 46) = f(P(x)) = wie Ol: mue 2 mary summer Josnew vandellen Endriche, and were and Sommen lord analy air you from. I'm bolas now for in dy(x). sense full if non 4(2) sen Olbly weef & fufund, Die mund Conjuntarial dy (2) - Min igt din frage In f(x) = \psi(z) in ob Cof(x) = 24(2) zmarkous find fin mundification, in in mind mil out our Sura gardindan

Dough of (x) mile = d y (x) is zamight fig (N=X) (N=Z) für fe) = \$(2) Jordning. Mount alwayses at ( (x+h)= 4 (x+h) inin (x+h)=x+m & Z+m mings. more fings are det us muft = set. ix + Ail + Aili? sun July in al & = e(2) short ? (x+h) July Ju Jolys mil of x = mind x+h dru 4(x+h)= 4(2)+ 342h+ mus (4(2) = x dulpo y und 4(2+h) = x + dy (2/h)+ Olly of f(x+h) mill = 4 (x+h) duis uf wieß in & duck Jagne, much mich & most mais of soil 2. (2+6) fela Buil & signed suff at he Judnum (4(2+h). Grafs new of (x+h) and 4/x+h) munffroler gun h. Du din anfan truf & fort of four tru mugalin Oflaword muft = velife den Calf our mets vely out du orbeans might des if mile = of (z) speuell minfany mynn no fair f(x) = xm / x = zm

76. / = (2n) = 2nm = 4(2) July of hout & = (2+6) and x = (x+6)  $\psi(z+h) = (x+h)^{mn}$   $\psi(x+h) = (x+h)^{m}$ 4(2+h)= k+h)= mn 2mn-1/h+ f(x+h) = (x+h)=x+ m x x -1 h. +  $x^{m-1} = (z^n)^{m-1} \cdot -(-z^m)^{m-n}$ solo on abling for ning =. I ship /6)= /4(2) = 1(2) papliver Lumil (x) = 2 min a south & (z+h) mind (x) = 4(x+h) du g(x) = 4(x) / vigs und & mind muse if yould & (z+h) fels

I wil x = 4(2) = 2" and if fall hatt 4 (2+h) July  $x_{n+h} = (2+h)^{n} = x^{n} + nx^{n-1}h + n(n-1)\frac{7x}{2^{n-2}h^{2}} = x^{n} + nx^{n-1}h + n(n-1)\frac{7x}{2^{n-2}h^{2}} + \dots$ our fx) = xm /0 33 f(x2+h) = (xx+h) =  $=(x+nz^{n-1}h+...-)^{m}$  =(z+h)=(z+h)= $=(k+h)^{m}=(x+nx^{m-1}h4...)^{m}$ No ( men in should to (+ h) Infor blows ing mill - hutt &, a+b) Juline, Jundarn doct med vent & mind, man ief in ifin short 2 (2+h) falm - well ist (x) = (2) fo if mys & (x+h) = 4(x+h) Min in den Louis der des mult = destit is garfinidar?

78. of if myslaw 4(2) mou fell skinden Quitty 4 (2+h) = if 4(2) mif anynhun funn 4(x) = 4(4h) valleidan i mollus, nom minda of on ape findus? dut must vint & mund mon ul fruits 2 (2+h) July begunfun if My x (2+h) for mun /4(2+h) = xxx = 4(2) + dyz h + Dan x = 9(2) surfur 4(x+h) = xx+h) som kung Enguifund 4(2+h)= X+# in f(x+h)= men Ap mo to la muil 4 2) = & decl mlouge = # lay reform glad from x in & zmila Ogzh in / 1. In All Holly West far = 4(2) and In (x+tt) Just if agreed vint & mend man shorts z = 2+12 mond yo mind 4(z+h) = +(x+ It) sel nung unden ma Afre lengte Blinder 4/x+h/= 4x+ 24xh+ f(x+#)=/f(x) + 2/x-#+()#+()#+ ring July if H den Both to bully of Defor now Token now h . fo mon 4(x+h) = f(x) + 2/x. (dyz.h+()h2+()h3+ + () H. s./. In hoport would, moh for

135 in Jandrad nur blotad, ind, år Ludes I Olbe. night gufört. Den Gelarte if orly 3(x, dy(z) = dy(z) more in skinden more Def July his Du Jefrieb: Minday July analogissjør Ennjin Hylx) was 24(x). dylx)=14(x) velyo a.b=a. x = (2n) = 2 m n shutt z = x+B mind (a+ b) = sam & monto weit ifor mind, your if shorts &, 2 4 b folgo Gibor & = 2" orly = (a+ b)" milfin mind  $(a+b)^n)^m = (a+b)^{mn} \quad \text{where } d=a \text{ in } b=b$   $(a+b)^n)^m = (a+b)^{mn}.$ Laifinde im Olble ja fruken Que fundam ? (x3) . Dort if wuf d(xm)= m.xm-1 .3 x2 if 3 = 24 mind dof = 2 (24) = 423 a x3=(x4) = 212 in (7")= 122" If um f(x) bulinby fund: mo x = q(x) , of f(x) = f(q(x)) = y(x) to ins ) p(z) = 2 fx). 24/z/

W x= 2 (for flx) = x3 ( for if 4(2) = 24 md 4(2) = 212 vely if . 122" = 3. 2. 4% much muffly If if mil x = 24 vely. 3x = 32 w 32.47 = 122". Oreland 2 doubtrante les is an ofwer from Jun of fin old = Just dru in Hat = 4/2)

J: M dy(2) ours = do) - Ours an all

Kound at ning wind day marks or office

Dr But dri : Joudann miss vine dinform flow opports of 2 and dwithe = find Juit fin de form nout gou nurvousant norefloon. House algebra traff fif was un din form. und dub murd odels bui den Abline unifor unich. And x = 212 and d/2 /= 12h forfall d(x) = 12% = 3 x 8/ velys muil & 3 = 3 x 3 x = 24 / 5 / 3 x = 3 x 8 127 = 528 orter mulyar mi ind muggining Dufur kout inf aminn brief draint miff ship annie Andario Lulyned my nie fin simil cylid - Synt of mis suff min Ind

Mart few son im din form gir Hum 81. Den Boula Jafains zu vingskling zu Jain um Den Lowman unft zu normungfalle Doch John & zonned univiking Den formen jælengnisfunu. Dorfar stulgands 6 if f(x) funit: 3 x. and Dinfelled ninen Queto. hursulls, dro mintous bulinkings bulghorban oughtiend, mut mais inf fruit & ourdann ambaniel July mi mondent mary for lengt i gurkowan, fo bout if I'm Oldly you fx) nouf &, was 4, word 2 wy modulingan. Both of oubly vevery x, to wings ulghoods a, (x+h) Andra, will of Den Olbly werfy, To mings if sheeth y, (y+h) fulpin in f. if. in promi Noulla jest der Och! auder 6. Dollar mill if does durf gmalburiefarya Lagrufus mughan. fordance of & mulhafolis, much inf drupes ollab Julynu Hour mid Julyn den funit wis if no soly die Orbly mund weif & = 3 of

It would by I is f. if. — for morphish fill

Sith much int Olde weif to garlenings in the markets nime off

fauth of good keeter and willings for the off potter, not he garlets nime off

1x x=(2x) 40-1 alet & nouf & ip 3 & vely fin mund must de de forder de x3) I mail mais f(x) = ψ(x)

1 of [x] auf = d ψ(x) m nin if only o of (212). Dudwing month Just in Ochland x, fran The wife = 3 x will apart · d (212) mus 2(x3) undrugfinden Holyand Briffiel ubusum 2 nd & nincendry = grafals my Kvin my & ZX= ZZ min 26 10 if & x = 1/vely up you = (24) = 423 Jourson & X = 423 sulus mind In Mindayframel in Smail X og njandru sy ind his win ref sevett x, x+h ofula of s = of x. det out min a = a.b. mourn, fif wing unhl: Johns. how Carl you h unfound (x+h) = x'+1x'-'k+--= x+h+--den ab gufs über in \$ 1x = \$1x. \$42. In Olds vely = 1. fy only y = (x) w = (z) for might Iny = Ly. Lx anthouse out of the house out of the Long of the Long of the State house

mit mullan ifn mefns Afri Lovem ba. 83. marjur dy fift if Jull roth I Ith faland it i Reprosell ind har laif our former of the suffer Saw [2+h] = X2+h mu dret anun Up igt, mo det 1-by & dri undane- Hyid when # = 2 x.h+. men & me x+ Il who supports of suff y in ama Refu ihus me de 12 byl y Sub gunda med onvellige und das lough by only = y+ xy# + mangoundeld in Up woul folgen he mod = y+xy 2x.h+ orly orbly new y nout if it if it. I. \* infus (tock more infulif for \$\overline{\pi} \) = 2/x. Ig/x) = ulyhoundre vint

dus 91: 2(x) = \(\frac{1}{9}(\frac{1}{2})\) = \(\frac{1}{2}\). Due nim x = \(\frac{1}{2}\) fo main 2/6/= 2/(9/x) = 94(2) oclasion ] 24(2) = 24(2). 24(2) velour orbar and sold Dy(2) and p(2) int parophindred mail drel anen Type vect = 3/N = 3/N mid sont outhern of (x) rels = df(g(x)) = df(x) = \frac{2}{2}(x) ocho de Toef 

folish Alif win fundamen x mous und Dette in wither fund: you to wharing follow if nouf Olbl you y strongen dar if weef obeginn == = = xy. 2x. seebur der y vill fund you it soud it ublacing in oll variable, no & win fund aon (2) is olly new z orbjing ig only out variable to is mie I abfalut fuy, und y m'd of and your ifur orbitarying doubles how of ohnow Tools the Congruefran. dy = dy.dx High & im Questre du it will y in Afrif orinkriment, and it will somether of Juleus will fund you V, Juil ving In amin fruit you V. und uf doin

in the strong in. Smit = & hot & + gz. gry Druger Port doct to grapphan much Ton = 27. 8x + 2 t dy ind days Voly if In aln Grand Jorg. drawfull ful sils you & ly for V /4 met lini X = (V) druble if mit ik out It worked , und V Does lafter abfalute vont variable relatio. dan Ill foughforly ist if to |x, y, u/ and x ad y, as a funct: now V shind your of x suf M Down ist. 192 = 3x - 3x + 3 x - 3y + 2 x - 3w & III 87 = 22.8x + 27.8y + 27.8u analog synft doch fo fart. -Grud drugen Vortan of dre Deft. Mile ba. More bang your du II hory.

framend yo amy refine min I tel. My miller It funder mon folgan u Z; putt v = v+h. In och in Z vente verkand de ift du frage, mus yndt et ind mub yndt if man w= Nth ip. . Just th= f(x,y) for mod hoth = f(x+H, y+H) wonf Inm obrigan min Est H= Jx.h+ . - . - wow for Vyuluffy = Jx.h+-# = 2yh+ --- = 3gh+-Min July of shorts units of I sub Hand He zu niefet oppni men dons foot & I de den muly grangs manday und on w afair mouff flate new h lankouran . \_ fligt velde from f(x+th, g+th,) in lime Afre ignoruffe He zu narmoudele.

die jednigen Brunde lenounf if mit, ad spale gie mont van den to = (x, y) d'y zie wie man to = (x, y) (Y) (Y)  $(\gamma+h)=(\gamma)+d(\gamma)h+\cdots$  $x + \frac{dx}{y} + \dots = x + \frac{x}{y}$ = y + dyh + - = y+71, = (x, y + H, +H) = (x, y + H, ) + d(x, y + Hdr.dx + dy.dx

Colonfanacia. ( ) ( ) = 4(x) = 4(x), 1/0 is Dux = Dfx. 24(2) = 24(2). 94(2) スカラカス = ライス = ラカス In out 22 dy's out autifundan y un off(2) = 2/(2) in Louise function our udar kigs bagarful: Dx = \$2. 22 Odon on Mew Auxil In Jallace Bully in dar ochenkungene down ganglarifz if y = (x) Da = (x) is dy = 2y. 2% for order y non find quet int of mon our for = 2 (2) - d(2). (Apr y = px) and x = py som in sunt of win funt over I mid In & Sub about mis undable my, vels nur relative funds, mu d, wy, where you known with Emphorband for lever if ifmorgan pine In Orbliniky you'y noug Inn anvariablen & wow men & y

non (x) (x) vinty nowinds must Golwa Ly mon if in y Swith, 2 (a+h) Infa in more out the truly: no Sun Catt ow le mofme. with my much strongen much much & = (x) Mun if hotte 12, 2+h fulso, beginfur inf of unun & durif Xx+h yo mund in =. xx+h=(x+h)=(x)+2(x)h+(-)h+-=x+2xh+ orly (x) = (x+H) din sween in wino man with y dub=(x) is. velor (x + #) = (x) + 2(x) # + ( ) #2+ = y+ = y · = x · h + ( ) h + Ling- Afra in Su. In not glin y men & in #+ It was Dy = - y . 2 x oder dy = by . odny Olde if vill yndrukt. Sand on Old you (a) w (2) mil dy wind of (x) und & with & (2) unly down

I builyoute ist = [x,y) no x = [v] i y=[v] some into a weef wie a first our of mudal v doet musicable if my low very Anoughe went - I mutandruikt doug den tobs you (x nd y) gif fall oilfo in ( & wy) should v, (v+ h) fufar when du x= [v] w y= [v] for ign der frage more mund out ax my Xu+h= (v+h)= (v)+9(v)h+()h2+. = x+10844+ a) yo+h=(v+h)=(v)+o(v)h+()h2+ = y + gyh+ -untiline (x,y) = [x+7, y+4, . olivings my Din panist [x+th, y+th, in min mumily Of mouf potenzen you to with you muly is Sun July in Doca froth & I to for my do bulature if mini Afri will he middless is not = fine Zu+h I. I wie I ment inf

in for fault of who fulw. fy Kum um sibus &+ H, y+ H, mer muis funt you x + H butouffan, in malifus, mut if fix in nin Alfa nout It muknynblula judub afråd dringen Afra min functionis verifier gulen underer Gut flocker . Hy bullown orly's verif y+th, Zo+h = [x+4, y+ft] = (x, y+7+)+ 2(x, y+ft,) #+ ()#+ July in ports of -dan Mary 3th + --Zo+h= (x,y+[3yh+.])+ 3/x,y+[3yh+.] 3xh+..+.. (x, y+ & gh+--) = (xy) + 2 (xy) & yh + ---= 2 + 2 /2 dy h + ---

Humandines an der formuler? Dro I formel bluit unum frif met dar  $\frac{a}{c} = \frac{a}{b} \cdot \frac{b}{c}$ garhundru unfuluf  $\frac{a}{c} = \frac{a}{b} \cdot \frac{a}{c} \cdot \frac{b}{c}$   $a = \frac{a}{b} \cdot \frac{a}{c} \cdot \frac{a}{c}$ 1 mu 2 (v2. Sin V) gi findum. Juffeljer  $\psi = \frac{1}{2} \left( \frac{1}{2} \cdot \frac{1}{2}$ Swowing if Och (x.y) = y. what die form 8(Axm) = m dxm-1 - nd x-y in ju y.x'= 1.yx=y. volaje at = y mbon of if I'm = & who/v 2(xy) = y-2x + x-2y Dx = 20 mul forml. d(xm) = m.xm-1 dy = losv. vely O(v? Imv) = Jmv. 20 + v? Cosv

200 d (Ingo) zi olimben Chouse if din Sangente? word analy! Brindned if Cos v = Ing v. orly if of time ) gi findre Some fai= x, Coso = y voly mond of (x) zi full 27 if went soff In Orbly to when went It famel ) fy x = 1 / x = 4 3 x divide vine def. no mind one of y

y = x - x h + - - oregoing gx = - x

yth = y - x h + - - oregoing gx = - x dund dursund; & formld  $\frac{1}{y} = \frac{1}{y} = -1 \times \frac{1}{y} = -\frac{1}{y^2}$ vely  $\frac{\partial x}{\partial y} = \frac{\partial x}{\partial y} - \frac{x \cdot \partial y}{y^2}$ Dy = - Sin v orly define v) = Cos v2 Cos v2 - Cos v2 Just fund spendle formul Dy = - Sin v orly defined = Cos v2 Fordulte is quot get diffe. Dru It formet samp numb shis zuforte renginen zugelste fund It, n' I formel mul mer 2/nobade gie 2 drubberes igt. Zugart Iv Brblantes Royand wire Enifying.

94 shi de log V zi from 7(x) = = = 3x + (-x) dy unfun if orber 5 (x.y) for much uf gomlas www. bulliam dr = 4 2x + 2 2y - 29 dw de = 20 mont substituired mone du = 1/2 mont substituired mone 2-1-ax=1-u 11: y = VI- ax2 = VZ  $\partial \cdot / u = \alpha x^2 = \alpha w$ 0 /. W= x2 De Olde mun y drink if with in dry men Ze, dru wouf z zu dru wouf u, via mouf w. Nevel or form I dy = 2y - dz Tun if Yn= tin min dy = 12-2 dy well = = = 2 = 12 dz=dz.du I (1-11) Irrend grafted (1-11) - h In orbit - North -1 North  $\partial z = -1$ . In

du-du.du Sous our aut ah du Orlegorego à drefor Que = a. de . In obe your i find refryns of In Ochly in wo Jordan du in orba = 2x , fo if milmarlo gu = 20 x  $\theta z = -i\alpha x$   $\theta y = \frac{i}{2}z - (i\alpha x) = \frac{i}{2}(1-\alpha x^2)^{\frac{1}{2}}(-2\alpha x) = -\frac{\alpha x}{1-\alpha x^2}$ Lufo Joely jest y = (d) spring mare uf shoets &, &+ h / yugu ind m ala north muhumble. Ja+h infull Ivet moet an four Local you y mund 42+h= y + dyh + & (dy)h2 + & (oldy)h3 + = y + dyh + dy h2 + dy h3 + igned bury infur weight our Donny or wily. moughanden geline I to infinding 1/2+h=y+ A, h+ A2h + Ash, + = y + f(x) h + f(x) h + f(x) h +

of full should to (x+te) nd don't in day hold to fo bollown if zman ylange deeld yk+kg+h w Ja+h+4 vilo a many of afre it form not 9(x+k)+h= 4/x k + f(x+k):h was f(x) Abub mucha agens mints is fair said in h-0 Dont bluibl y = of Du læff levin mom Droif f(x) f(x) bust. nom foll nur f(x) f3) filgdan. Buil Involence Verybeigh grabs (x+1)+h= yx+h+ forth)h+f(x+1)h+ + 8 y 12 + (y) h 1 4 (x) h 3 + (y) h 3 + (y) k / 2 + (

selled yeld mui old constant it. 113-Vin Will dot dub of ju fundam mais de x donable byt. of milk don dex. mul x de (V) mer Den Willen zing out de wolong ford. Ind ift mugheft In Ig my in it inconstant is. Orllab grange gillber dy - pdx ocher dx ip mis foriss ellign zins suff mul x = (b) mid v mo do hypuff vilyo ig dx yallo mo r= (v) if (mmil dx = r = 2x) sterley on dy = p.r.du. ( vois up or voil by = 2 y & x) Nuis mill of duck 2 diff; yender, unfully up doct moch beloved again your of o moufford logon minde mil x variable ig). Nordeng ig de constant orbar r mois 2 mi de vely die ride mind dy=dp.dx+p.dx

alfo dy mon de constant is= = dp.dx, indx variable of mund = dpdx + pdx much am saline our det. must in No med den Alyon filmste men meringen bennylvingen bafandall. In Dot hand your min and In deferter Duten fi dfitten, mur mil den deffe. renkialyrohenten de vila Dir you it = p felp w to dy = p.dx salls if sub gurborguis der win dy myon Orbe in, Is loly the dra found hack mind infor Orbely Rock Olla for fringen Dur Worker find Refushete An mindouffun kvoisten web tolegnoungen das Apart buildings morf Immil Calend , Dar qualifa diaces painthe sigh In Lofa De malhon

Ourning O Olla hadrett ha dismealed . Lis die Alle weefer me I gordant golden syne in the house of d sulgar. John mon In All finder, o mendmen out Hely winds. murfauf: Oldy down and 3. I of los or) gri his de ti-e-xc) dus muio a sy condi monfol d'Ay+(b)= Ady velsomis Dex + e-x1). Inv zveljer in Lumo ud nit 2(exi) + 2(e-xi) ?(ex!)= e 2/xi) is 2(e-x!)= e-x d(-xi)  $\partial(xi) = i \cdot \partial(x) \cdot \partial \partial(-xi) = (-i) \cdot \partial x$   $\forall o \quad y \quad d \quad e^{xi} i \cdot dx + e^{-xi} (i) dx = (e^{xi} i - e^{-xi} i) dx$ =  $(e^{x!} - e^{-xi})^{i} dx = dufimull. gibli^2 = -1$ ollformil = - ex- e xi dix = - sin ix da. And Rout shoots de d'alpun, synt infollat nous

II . A (arc. lux) zi fruda per ord haven y gunori het grand X grubs . do mie de din nou anche " religious for is mugalifit och is guifour mushily and fection was zo orblackan. Juda outour of amo new Junt. for oirt In x = y fo is Imy = x. Ogliforden. dry de Jeny jo ins & =

eyi-e-yi moureut y zu skindru ist. afunda ed = Z and e - y' and down Z formed &= 2- \frac{7}{2} sing mind quals. wuf a varifysløjt. nd mir bakann  $\chi^{2} = i \times \pm \sqrt{1 - x^{2}} = e^{yi} \text{ Sufer}$ yi = log (1x + \1-x2) y = i log (ix + VI-x2) du funtion of verson for du y = are lind you's

Parton x) = d(to log (ix ± Vi-x²) & Ady

Buton: you and Produces. my disty) = you x d x dy

no

- it d log (ix ± Vi-x²) non 1 3/1 2 now = it & lag (ix = Vi-x2) wouf d(lagx) = dx =  $\frac{1}{(1-x^2)^{-\frac{1}{2}}} \frac{\partial_{x_1} y_0 y_0}{\partial_{x_2} + (1-x^2)^{-\frac{1}{2}}} \frac{\partial_{x_1} y_0 y_0}{\partial_{x_2} + (1-x^2)^{-\frac{1}{2}}} \frac{\partial_{x_1} y_0}{\partial_{x_2} + (1-x^2)^{-\frac{1}{2}}} \frac{\partial_{x_2} y_0}{\partial_{x_2} + (1-x^2)^{-\frac{1}{2}}} = \frac{1}{2}(1-x^2)^{\frac{1}{2}}$  $= \frac{1}{12} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial (1-x^2)}{\partial x} = \frac{1}{2} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} \partial x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} \partial x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} \partial x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} \partial x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} \partial x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + (1-x^2)^{-\frac{1}{2}} \partial x)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{1}{2} \cdot \frac{\partial x (i + x^2)}{(x + \sqrt{1-x^2})} = \frac{\partial x (i + x^2)}{(x$ joffer und Runar drof = (1-2) = mullips = + (1x + \vi-x2) \vi-x2 golf: 2 Mais sing i multy Ou = - i mund Yi-x2 + i dx ()x = Vi-x2) VI-x2 = ± d x och der den Vymnedrukis ist, fo kora to vuly Orland out or Co. c=9= Cosy = i Viny map or Jour landfan fram.

In: our inf y# = 160g(cosy = c. hny) or Viny = it int for ing.

Cosy = VI-x2. velys in relate its.

Vem den olde zi Luiden in propulled In Ging yo. in and sin x = y / yours In billy new it weefold in Dx = love . Ly orly dy = dix = id lapy fix Harryinl Ofare Cos X) zi shuidan if art los X = if win hayne) to is losy = X

in and about to yushedne mon krush

id nod y = to lay (X + 1. VI-XI), to is dy= 1 1+ 2 + (x) - (-x) dx = 1 - 1/x) x. ) Dy  $\sqrt{1-x^2}$  many multiple =  $\frac{1}{x} \sqrt{1-x^2} - ix$ ),  $\frac{1}{2}x$ much i many droidner Due  $\frac{2}{x-1}$  yinh  $\frac{1}{x+1}\sqrt{1-x^2}$   $\frac{1}{x+1}\sqrt{1-x^2}$   $\frac{1}{x+1}\sqrt{1-x^2}$   $\frac{1}{x+1}\sqrt{1-x^2}$   $\frac{1}{x+1}\sqrt{1-x^2}$ 1 = 6 x y 2 x = 0 (6 x y) = - Sun y Dy = dy = - 9 x = - 10 x y = - Sun y Dy = dy = - 5 un y = -

Du Lag: Jud find noticing, millen ! fudnu yo reducirl mom di luftan rung den nogdan. algibre fut as ubly Installer Instal aro Cosx + aro Var x = 2 IT velya ) = 0 vily darlos x = -d(ar lux), vibus In Afright feel forth. And are to x forhumoudly well Mostly unfulit willing butriffe progenent du la minde male topoli fort. Spare Jag X) zu Judne by y = \( \frac{\( \text{log} \gamma = \frac{\( \text{log} \gamma = \\ \\ \frac{\( \text{log} \gamma = \\ \\ \\ \\ \\ \\ \\ \end{arg}} \) = xi (eyi+e-yi) = x belle du off find frant: orha malu maly, grom entrett ment ufbruft og selver ey's Zi

bruin for rel y' = lay non Sure y fund winner for the france of funda der ale must fully hala de land for the fully spelar should be sure of fully for the format of fully for the format of for the format of fully for must of for of a undul. forler for must up de Glip nofman de vill sin it looks ausoral. et = larg + i Juny lower for. Roley. y = te lag (Cosy + i. Juny). Dru Lin = to id Jun + Cas = 1 da igs In = Cos. ty. Sufu Cos? 1/2+ Cos? = 1
Cos! (1+ hg?) = 1 los = VHAge and Som = to to to = x is to for in the sound of the soun

In nun 1+2= (1+ix) (1-ix). Date men-a²-b²= (a+b) (a-b), 1²+x² ist un = 12 ix mil. i2 -1. dufni igs \1+x2 = \(1+ix)(1-ix) ud 1+2x = \((+2x)^2, zmur') // murlin doudert mur mour dyn Rad: revisit at dra Vant game guft for Sportant inf y= (-los) (1+ix)(1-ix) = (-los) (1+ix) (1-ix Log V if = man hag ont hadranken dring tru folly a = loga mind selfs fru folly a = loga m  $y = \frac{1}{i} = \frac{1}{2i} \log \frac{1+ix}{1-ix}$ Ray ouder lg= lory + i viny } drudret druf unwender l-g'= lory - i ving ery = Cory + i diny = 1 + i by mui if grefni ned unitar dourf (as y droidine) = 1+1× orlys y= 2iby 1+1X

arober du Quinning In gustudnam bucht. If ji lindenine on y in munull afr for much y Male money pohengen zu d, ver y de Lague it den I Any - for down inf In day y in Afranky An nout polene Juni ong: grap. if ix = 2 if my wo = 2 (ix-3ix3+3ix5+...) well y = 3 ( y= x-\frac{1}{3}i^2x^3+\frac{1}{3}i^4x^5+--- du i=4/ y= x+3x3+5x5+.... for Lugar you 45° da to put to your In Logan = Fit dorgi den Tre = 1. July 7=1+3-3+++++---) 出= 4+ 等一等+ 寺一等+ ~= 3,6

Mon kufum jusmik de zi lag 1+ix | 123 Lindre - 10 [2: (lag 1+ix - lag 1-ix)]

= 2: [i + i ] 2: (lag 1+ix - lag 1-ix)  $=\frac{1}{2\left(\frac{1}{1+ix}+\frac{1}{1-ix}\right)\partial x}=\frac{\partial x}{1+x^2}=\partial \left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$ x = 6 4 = ( 24 ) = ( 24 ) orly dy = 0x. forzy los y = 1 2 = 1+x2 dy = JX Alily 1+ix ) ogines despulle od Of tay (VI+X2) Grung und de Seff. Ruf. out much - Andrik would ving Canaly ais

1. Quemundy A(v) in in mull Afr ja autmitable morey fa+h)=fx+dfxh+dfxh+dfx); As forban with the first of the distance of the first of m If Ala down X morgand zot, July former whosell south h, & yo mad I will he at yo mad I with he at yo mad I with he at yo mad I will have the last of Luden für at, et, lag x, dus, los x of frenchente grubt Ifn Rufe · Sin & = Smo + Cos Q.dx + - Sm x -0 + x + ( ) - x + in mw. hukum nie In X = 5+ x Ax) = Ang ex. Figx = Fing o + Coorx + (Coorx) + (Coorx) + (Coorx) + 2(orx) + 2(orx) - Jurily + = 2 (Cosx) (Cosx) + 2 Cosx -+ 2. Vind + 2 2 + 2 31 +

An duft med mutus mountallar Quitos in in and the printing while druge. Die agregation orafre Diniel unfulig druge. Inop: hoeform og where fund 20 in one Ochs: az ax + ax logant ax (loga)2x2 1. + logax + (loga?) x + un of in our Orles mar let orly & to mar! gå ynnmoruduli log (x) = logo logo = 1= for bright fif lay & miff our on in ====0 leg (a+x) = log or + . 2(a+x) x + 2(1) x? + 2(a+x)-1 2! a X -(a+x)-2 X In Orles you (a+d) in 1 10 mm lug (a+x) - lug a+ x = 1 x2 + 21/2 x3 - 3! - X4 = loga + x - 12 x + 3 a x - 4 a x x 4

infa=1 formal lag (1+x) gula molfe deranka inthumas In malle you + 2nst. /-1 var magdoriniffu Lufofet would no den lapa in many overnithe, spin in wift min Variations traffinery De Lafon de grysten på platigten ryslife for your muy field I'm intenel Ourget in Dro Theorie dund soly grobint in more order ig an uf gjodunken forbe (1-9) a rughi if If when with ful mun dum Sampa Ifa Lower muff sen mail villat mommball ig. mid win p=q. p mind durif buil slufner I och dinger Oprofunt much his mus mail if Die form mif aniforf.

Olla Moramony in mon winnel Africa wing the un own he downer well land downif Judan we down In stario dis unha la Espafa que i. o muden kinke - Ju John Levelle gill Die afer info 2. Demark. I (x+h) = 0 I (x). he in on agriffe Boll North of gun Doubert growth and with the mounding the service of the service Markameny for Toly Grighma Oury mady y= 4(x) Dan Continue Jupoll HON in Lindan. Mr kon me Dan Sufored miff funday more In if If(x) a = AB mil Ordenete The ist only fund you & order norm yngther = 14(2) fine montande de stronke to mut & med de mande blin montal de goules of in dy and by Juforth morelys wir Montanth my orb mill morely in to in dyles) = y de = fletde 128. Judgral Rifer And it went Othe Junder on dy x = 84 (x) - 10 in . 04(x) = x(x). Anju marfin i magneluft with Ind Just our & Rufue A + Ath + Ah ? 1) 4 (4) = C + C, h+ Ch2+ o) ip(h)= 15,+16, h+16,134 lugs wie fle griffin son Mustan Juis y(h) w of (h) for manys C= It find, yourstings of miles mighty must be join squift be. Juliant up subtrakes I your I ad 3 you mid I y(h) - f(h) = (C-A) + (C-A) h + ( h? # 4(h)-/(h)=/h,-A,/h+()h---opolard, moet miss moders is man for the Muly se of in the ser wind in Manual in the man the man of the man man of the series of the man of the out to appround und yndough manden

A ver for might verif 2 mil A ven. flamoun -Mun kafann insis gå undnar Burgharli, nun fin un om var biblantitug Rufe za kundan. n a for y= y(x). & Jui Al Doyn y leverfren (2 = 3 M=/(a) In Juforel igt fund que & fli you of your DIM = 4 (a) tought if x win h morfin = JQ yo in AQ = x+h in Qn = 'yx+h = f(x+h) Dan = y(x+h) D Pamn = y(x+h)-y(x) din toyongly My angle Oam n= dy(x) h + dy(x) h? + wie mill rif Ig(x) finden out Orblanker Thurst wow dan omgagahan Tool yn falsty mings of a Grangwarfun studies que musica un Vampullade Glinds veu, Lough . This lungs om na grisffer Pontal no PINA PQ = 9.4 + 0h + 6h + 8n= y.h+dy.h+ guidfan dankajour Han briege dru Of fix Pamn velyo igt ( ) ( ) = y = /(x)

of the lang of begand gu thing Iw Lugar igt funt mux = 40x) mu mollin dep (x) shudun mican If I I bright dru Lugar In min min minight in m. It mary fundant operform to ment dy(x) = \dx2+dy? mui mn goerdn Lines if mide fully abfurirend. dru Odly more dy (\*) = VI+(dy)? who 8 4/4) = VI+ dy2 Houf mufwed buful zing moun 2 Trynken, menuch dru nung den ondra fills: It dogund unfully mn In other mn Lom more fore anchimed to bangen & Quet mechanist banning sif in dary number floring In Downth for I to behaveful of It defenantialist vill in som ming Eugen klusku langhufnið so min ar slig klusing. Linin all suit governe langhafnið governallt.

uragun harffunder find dan zuil in fund you to Tory do I wiflour Round I verif /(t) outs in do) = v. dt) with do = 9 dt) meler & die prought grant mulifu in In gurl all unwilly klunch Gun out on well. I Juday work refunne Lufed wie bill funt ju finden Gurniblishing muni funct (X) morf & yungufs much Impuny function 4X gå duda den ben fra presspred fort des men never fin ment a villerdet, fin dort f(x) mind fund f(x) norf v Inter if den fund y k)
The mont v orhogelighted some of (x)
ograble. for in the ob your fol must a growillated of of object of week of the state of the south of the

In it = [0] for if Dx furth of it vely = H/v) sily fall at anomalas of up for mon I zwinklande who for dx weef o viblaida, Int if de anyone Duch it Julignal viely & for if In Not var Doff: any I) wer in puriana Leven gunuslands your f(x) is fund you is = July I 3 4(21) = 2 91 dx = f(x) dd very a dentally fund of with well X orbigularles . f(x), many is velylarlast yo of in Haldi Neifar dru fruktiffa Angal myon fuft you fund y(x) buff Sind Blog Souvered multiple 4/2/ med dx, me & now fund undt bolinkym Vanablen in I mit you ou dell you In made weif Drue unique Vercable It does judy

II Dock The munt function guilded wine kun Othe I would x I dru out fifth should x, x+h fuln Ind muf takengen you to subuy while ut belfu del kons mir krun frin celylo Dir Coef nun h air miner - men aftenta, nimmers denly for, for ful for Olds moul x, odre v, identifif - to muis gryche function getorn who when your willaid 19/2) + Omela Gudan Duebdo. gudoufo mer Is I der up zorband, ford In Ling and fright, Its for = f(d), muil Il whom me I kam it garkound = O igf Jolefon Out Dant C mant wow way X constant . I an ift made invelouisje sain knunw abfolut Conshanden. It you miff in will will will will will will in the will will be the saint of Odly of 40) win firmbland by foul 46)+ Polle ribrigue zariellentifigen I skom kun gabare die mift dent in nufforekan meinen fit Same Yorka)

allo feed main me 3 h. wonglinden to adort mon & med for order zur Lung an Donnvufiel laifurlief du Constante l'i Engliment. from zumukle (1x) And if well mel uf finden fu adere if C, vilear arun Ins marffy juhapain an in in. midgling. Mirlange uf de Vot for you lowogs if selle 3 dans Joseph, sells den lingen in VI orbar, amon In y mother low if mit yorlowgan In draw yur 1. ud -2+12/3, w -1-1/-3. Open brungmendig un low med amon with In ventra brought Anheymour filt villa ming & It Hindry in Buryndym of on Tulviel brough In wir amon do not, I'm July uf suit, selear det ift mil might indlegring if proforth bushing . Seet Com barkant ya weefdand mow you numm bashirolan Puntite In Juspill hughrinan molley

De (xm) = m 2 " dx. vely mut givantly Shagurful your ist Smxm-1 dx = xm 2 a = a log a . Ox for fa log a dx = ax now at lag a da. velenstat for ballows Integration, men uf velgrufu dunder Murpho , der Gotte of min Probinen I din operationen lafraire um renfs. ejulte Trobinen . To if only It Judegrine 3-6. 1729 uf July 20.30=900 20-20=400 ollye lough y ymisseur sond 30 ins refore find 1729 = 20+x min my (10+x)2= 400 + 40 x + x2 wd rybyn 729 why. gryn mit vorlfu mored & fam mived be of trafts. Di kom mon Stefenenson, orler Juhenner

176. Muniform in at in groups mughten Jano, b. X.dx full juris thylulal morne you Shaff ful more or much de don halfs Sxr. dx Su form dxm = mxm dx dought must namicht un Dy Der integral Jan my of xm orly muits dit & mil gulafre at dx yrden dy. Indx = mtxm- dx fremis p= m-1 nd on A= 1 d. /. m = p + 1 of m = q + 1Some ground of it who idale Son Quet drunka der sindagtins & gurph yand man of Inn Resultat 6 adve more at fine met ut mele but ruft &, for fand at velle fakegrale

2:2= 5:5= 11:17 2:5= 1:5 2-2: 5-5: 2+8 For & Refullat Kois 2-1: 9-5:27 0:0=3:5 ver probley to Rough 0:0=110 0: 9=0:5 teafible an by morn 0:2=0:5 4:1=6:3 2:3=2:6 Sax dx uf grande dun Ata = A.ax. lug a. &x somet Aa log a dx = axdx mun Alagar - If it = taga vely Sax DX = taga ax Som hough gode of our rent us might gon Some wilfe puff = -1. villy is sa well buparder buriffer VX-18x = Sid X = lag X nort of Auf. Mont nin ambot - Juis of he of for mily indegri hour, Ja mites of sin murphorum and dryn of analysis to fail aiffing

Jeax dx uf mutyt & hour y in beginnen villo July of at = 2 for min Sexdx, une rungs if dix in Di out Ini. k. our an = x juyl adx = dz selys 8. x = \frac{\partial x}{a} ough ign gu funta Ja ez dz 2 2 2 2 2 = ae = de +6 Bels Gülhmithel drumb og min 1) 8 (Ax)= Atx fig) SADX = AX = A. SIX www Afferdx = SAferdx 2) 2(x±4) = 2x±29 /v /2 Jx.dx = yax = Jxdx + Sydx Driffinh on of und = wide + vdu for for wo = Sudver field w neg 3/ udv = uv - fodu rafu formel vury acednes ford failing infu Endegricen ( indegrice part parties)

In It duty father mo he selly formel gylu,v) = Eggdu + ggdo souveret dri suly Integral formel qu, v) = få pdu + fo pdv Supdu = 4/4,0) - Sop du dres is die formel oder une oulymer, buf out grandent ge spole In mind I Some fuin Syda = Jydu - Sa Jydu)dv mus ig de zer friegal nur yda nur ourtweet welle Joel who hen refet if doct yngelaun , mind hall gollyhuindrigh i no ign for min mutt 3/4 = +3 velo hadraled to sins Zniface nin our sol self der sundra . Sux dx = Sext e-xi dx = ilsexidx-se-xidx Jedi IX in min ginfinde, mor falgue  $i \cdot \partial x = \partial x$  only  $\partial v = \frac{1}{i} \partial x$  only if.e x dx if ga furfan = fre = - 1 exi orly mind show = is file - and doubt mind grafted Alex Dudy Semile = -te-xi press of of an = 1 - (0) = - (0) = - (0) X = Jun x DV. 140 Sin (px +9) dx uf fugu px +9 = 2 of Joex = 92 15 Sin X: 0 = - f. Cos (2x + 9) , In (px+q) Cos (xx+v) dx a configuration of defendant of many months of Dri analyt day lafor of Su(xty) = Su x. Cosy too is Suny layou farmely (t) adv gubl Suft ty) + Su (x-y) - 2 Su & Cory oclys mus / Julp+r) x + (q+v) (+/in (p-r) x+ (q-s) &x= 2) ful nograbl ud et mond = = - etpery (Cos (v+m) x+ (q+v) -) (-- 2/2-1) Cos (5-1) x + (9-1)  $\int (ax+b)^m dx = y/y/y (ax+b) = 2$   $0x = \frac{1}{a} 0x$ Your af 2 m d 2 = a(kn+1) (ax+6) m+1

 $\int (ax^{2}+b)^{m} dx = uf yufu (ax^{2}+b) = 2$   $2a \times dx = dz$   $2x - \frac{1}{12}ax$ at mid va francis of much giving rever wift greft fregue lengt jefnregn (ax7+6) x. 2x of april wow Max #+ b) ne x v-! 2 x zù integrinen out and wiff. Octobre doich ma dyn integrinen mills out languar yet integrinen me unhade Ofour, more might browning bour of Jaxxedx up ax= 2 mind A (lag 2) d'y round if wift gunwinn Oclear for all mon maduate fuct so mendet mons inner du formel 3) of Aprilmans

142 Suporme of in Jude = uv - Jodu selfo in u = a d · V = to x solly is Jan x 2 dx = = = = a x 2 - = a x 2 x 2 x 2 x dx order um grafel um fx. a? dx king my din formel granouise, in the in Ix ax dx gury valle Julft nom order  $u = x^2$  gv = ax dx $v = \int a^{x} dx = \frac{Q^{x}}{\log q} dv_{y}$ ody fx?axdx = xaxtingfaxxdx win if you ful Jan & dx minda Julke formel van udz U= ax dry of axdx = x ax i faxdx = x ax i faxdx Co In Ja dx = ax villub reshibiter f

Loga villub reshibiter f

In wirhouffha Money were odlub inkegning så katiate, meiva, ner samme Seffer. Grad.
dual. soder Mynt dag? ju inhegarnen.
dag ner der samme kan men inlegrisen Deliv Am formel drinner dra Julighale verif In Summe ad diffi go surbjulligh mo Is mile galls gall off weight & integorinew. Then and med guillukyou ist doch Allen for unlegender much mindly. Topeour for suf unfolkan. Bellu funktioner fort mow in granist a Clasten graffet. Inda Classe ashard bentvanskan und zu inte. Igninen früsen. Den seine frult minen In alyele: in Inanscendente de Vrudyffel F of du analys Affhrer zu lenskrite sen. Jer den Gurshills Zusprudrefore njierde met Jain gitz blover unf und grafter fution just Operation In koning a is b villy: June Low, to lowing hour gulfura full. to Dys wir whift I'm Earffing ut f(x) frier In Duplunton intourf stond Your orlead Operations further mighty fut. a to b, if byour might Cop ming men globay a den senda frie dute as in ocelus. more a id b fagour with out vellat if wife! vb or b, popleto, neglike, emagines el igt. In villaborat if speciall Allen giel zu Va in a36

ville oillogele: fied die buddounke me villege Mangel id Logandmen mil mærkanne mis me die villigent dening Det ode Brad. De Geolienker zur kunne Mour of große fund zet focher med gennigten millen zen X pulags growth malfa unfina, not showing milifa malfe neu & fud at der Der fund ju O morfan, se cifu of In Butwest sung algebre apelians. San ing Impunt algebs: yo mind algles. Oll f A Su funt franjendend to mad omiffer a glife Inauf: Is bonford fif algebra Inheguelrafs forden if nine mulabluke funder 36. let = fx, and if feel fronts x villa reelle stating hopels in X mays vibushum på fraksing gun + mindluf vib gu o nough meghelið ju hib ju un und. zu skundru syning fraksing fraksing fallste, def montp fr

& fair muno de reeller miller zue X in h fur popular arter in moment do Munffundan for 12 X+h Das wift your porty id X-h In woiffe I Mart to Its miffer X+h w X-h wift brong? if mings mes velop under h sunfet snukund. J. bluw will judo Harly In north blance moiore get drufur drai hAngen bullout de Junilion Irai reprofer fx+h/x 1/x-h der fret mark kagonffu vort in Afr gufs 1x+h= 1x+ 8/x h+ 8/(x) /21+ celled foring wie your fx vel : in fin populis de replacer o - Du for mont frent mu x ist vely might specialled if for mind for day speciall whis & speciale if . - to if on Hamplor funct out I found out out populie ud dru dour montale ou \* Phigner ig die Old neightie yo foellen dru djurffu mit X! - Igt din Orbl= 0 to if fach) for we fach for out f(x). Olly you & O mond, fo mud fa) bluss

146 och for Horfbown (x+b) a forh) Des igt dru dufor y angslan i klushing Descept ument den de generale popular rif, ry dru de Orbly negulis for in fx bjogter vill fun Hanflower Dieb govertebandfille kafine und ge dar ymgige lufter Enlangsweig tognige grivent. Lim function non dar villy municiplane sousse la+ 6x + ax2 + dx3+ ... rxen fright ninn young function for does Product, to min die Summe in diffe granters before fund, never unes unes Javefullar from biline, fo yahan for very in no your funt conen! Oldnie our quokient? Jund low new Deuburofulry might mine yough Suntion grand De mo ar fin mills ginds I feel and win orderefuce frontion, direce vellgung, vorid die igt. a + bx+ cx2+....rxm ay + 6, x + c, x2+ - 1, xm, Oblifa gelorifune function foch & brukavselffuilunante. The prists high y abouting muter daw firefor Exponent das Vegicleans Alainer if well It freshe coponent out Warner! Find In buyou alnif was it so much evalan ville de gulude , de igt din fund inus mingt yndra,

Die vely: form min inflaphoefiting. at bx+ cx+ ..... rx a+ bx+ix++-- 1xmy was Spl m for, simple form sp dir din mos flynkoufnun funktion our up down ml = m, wher m/m, Button mit finningflingt date if x=10 down if 3.6. 3+2×+×+5× 000 5x+x2+2x+3= 5.10+18+2.10+3 = 5000 + 100 + 20 + 13 = 5123. (Min Jupan former dys granoface functionen Swings find med gonver die wife. bysbridgabri den atvilfen Skan Ding fin Die Lavart, Its dock from in de mathem: wish in Annvelle. ymaning Into muture Clemente of. mud more rationale functionen for me Muralynique rolle functionen for function irrelational 3.6. VI+X won VI+X - VI-X , VX+3X2+X3 m x.f. Jud villat irrationale functioner of X. Vin gadionaler ut wastignalen smittoner went wew die algebraiffen, oille ibag you I'm Francehderkel. Tiskeymien ju Kinnan, jada of s fundan

148 Mir nefman din grun function nort at bx + cx2 + 8x34 - - nxm afring a finder integrind velyte graps at a.dx Ibx.dx mohni mus ja kumurkun of de fa = ad dan a= ax oulf sax = fax = ax. in muglaful m dax = a To funition wine Duby whey more day your me funition goldroefnen fund inbar. Gran gild nun da July 1 Ab just unisp galacefruithmitian ful garlagnuluight in whin younge function + mind ouff yorks: funt. his hangful mon rapho keur much in of your arms muriff yalong 2+3X+4/X+2X2 /0 How of fin hour har Jole # = h + A-Ilb in mine Vamme garlage In ainman Junilan on finn of Jevett Z = x + px Ho mind white Instantion Q + 3 X + 4 X 4 9 X 3 (2-2)+(2-4x-13)x+(4-2x+45)x2+(2-25)x3 1+4X+2X2

dor I win millkripsenful sundantal, for hule 149 as primer July and Organs our In me Caref gan & inglosper in a moule, oils =1 Die 2-2/7= 6 Ave & munifimin molethistoliste of shore and sur Inn Caff mine of the graffer of one of velope = 0 Sur 4-22-4/5=0 Aut 2 2 2 = 14-4/5 = 0 = 0 July more du try offer ileanoul vin for mind 2+2×+1×2+2×2 × + 2+2×1 1+4×+2×2 × + 2+2×1 amust of Junious wramps. for my ord our July Owl man around offin more week Joel & in Janes varganouiduan Morton &+ 3x nou der kolney Ini die dem brukan gjinda Der a forfesten Talengen im spillar warter voluet it. if in wharshe laking me the wings Die in ouganounum konfr = 2 m-nd He andrigued fif all dindrange four venich Orin viest orbidefina withers integri. ann ju Könhalo.

150 In selly numery on from numer oufly braifiline furthon my din git bx+ cx2+ --- xxm a+6,x+c,x2+---- 7,xm+1 gabor fun: in for has Into men ving wings Pakingen in specilles whole much mires dra only Walkhirf y blugan flaffare to di ann den Coeff = o futus. of alifn it das analysis flier filita funt: light flip mine reduzeron Journalling orbody: July deligande Summe fondalling of the start of th Quinells. Online feelan fine ain more mine yang not on fuban, infuling min sur olige Tiel dien me out and ander fund in vien your + wiff! apobre ja har ourtale bassinghe mont more effortel hunfuling our gogleno and rentino winding of your on foil the Robany our but orovord Inte Manter in min Ziefens finning 1+4x+2x2 = 2x2+4x+1 2x3+4x2+3x+1 = x+2x2 1+4x+2x2 = 2x2+4x+1 2x3+4x2+3x+1 = x+2x2 1+4x+2x2 which Our many welvering praktiffer view ofen by wift. drub right in de reachier do Trufa inval mogent, in our vicinitistation mogent At + to annihufur min ar inhaginer mais my dx + / = 2 fland, for modern olle inbrigue aftender unhegwird

Ejn min ga Sund styandlerfand Aubmittalen brasport of nasport aut officialar mollan min minger mafe voll of madnife very hallow I'm granteran function for S = a+bx+cx a,+6,x+c,x2+8,x3 10 Jungar if & inf invar = A + 15 + er = 2x+9 Sair mon of den 3 draifs males General Mais ling A(yx+0)(2x+7)+ 15(xx+5)(ex+2)+ C(xx+10)(yx+0) (xx+/3)(xx+6)(2x+2) nout mis die mullipli verbfüforen und nouf Podenção wenf & vodune jo motor me giffuso no kommo or + 6x + 1x2 dan kan fifna Oden grubt ab unfs, im Man no ment you thou me or, + b, x + 1x2 + vx3. we min a + bx + cx2 - mit ve + bx + 1x2 9+6x+6x2+2x3 mil x+6x+1x2+3x ymingford den nugathan last omskelene der Glaufy an omide if & bakvarne. A, W, C, & 1/3 , x, d, 2, 2. Cellain gynia duyun & way kout if imburghested lugtine, In Time mandan j'y out d bayhurum long min.

die function a + bx + cx2 lout un man an nun felifa musy ouwalk og moder  $a+bx+cx^2$ a,+6,x+c,x2+x3 modam mun queffer un Mains durif d magdivident. Muf funt mod wie = Jain the + 13 + C No = A(x+p)(x+y) + Os(x+a)(x+y) + C(x+a)(x+p) (x+a)(x+b)(x+y) I del if fine si wife & of way barlinen for mine if suffer multiple of some information information of the sound of the so buttomen velafo den Of! (x+a)(x+b)(x+y)=0moleful mur Culiffugli j' Triston suithopalistel winds drai hoprista for \* maleta de de son y suit de frings velje die kiefine de formen of life frances grafortunio , we if we. skordshalif ja dinfum Grenian

Man min rin leary sul infune 2 2 -3 in mullan is in a suffordantama gorlague Lor Pluntar if function ou so not mis mighty for in a faithrent jurlagen, more moult band to of housed In month new & shiff, In Din function you o mouff - mound july du famit =0, wit logt would Cantaniffer formel, dreet manda into in Iringhum Hoella money polylare: Tourne foly it = 10 from it =0 Sowners Iflust if X=0 in Jan Martfa works Sunt Ira fund gir o world, orld 10, und July X=1 / in dru fund = 0. dout igt X -1) wind der drai factoren drawert mou Towned In gubyabaun fund gor 3th Gode lankout mour and quarriffe fund x2-x-2 is Jue Baydon Must mu ? factore mit soufur x= 1+1/4+2 = 2 w -1 vely for dra Zfach (x-2) 2 (x+1). (milkafoliste Of is to in furthere warlague grafe miff is lauft, drief further fragland fragland of perfection in negative y mind

(X-1) (X-7) (X+1) is noin = x3-2x2-X+2 To ful sen Parkulbrufs  $\frac{A}{X-1} + \frac{A}{X-2} + \frac{A}{X+1} = \frac{2X-3}{X^2 2X^2 A+2}$ . A(x-2)(x+1) + 1/2(x-1)(x+1)+ ((x-1)(x-2)  $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^3 + 3} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$   $\frac{x^3 - 2x^2 - x + 2}{x^2 - x^2 - x^2} = \frac{1}{x^2 - x^2}$ nd inf bukouin & Oglandian A+17+ C= 0 -A-3C = 2 -12+ 1C= -3 dag- Alefo sunfyreight. C= 5 15=3 A=#2 and der partiallerifs for  $\frac{16}{x-1} + \frac{3}{x-2} + \frac{3}{4} = \frac{2x-3}{x^3-2x^2-x+2}$ Dui gaft å udegrenen. Bebar da Vrughdud San dennar in fan Arbulbruf

i jurlagni mulifat Glegar vellar Braida suight forbar sill mould & Lowerings. Orlly Offi Low moin mur leib At Good ouishlogen, mun Dri Coeff vella: find , vend find owing In laiff if In Mus dar Mandiefes. in anible Aftræstel for dare forflar July uf = 2 dans Min fyvluge of in 2 factoren (x-1) der min der gymnike. I mæl de internege oft. Je med dru funkt: 2 den zweny of in a portuilbruff In ann my = it + to wire me flufor yo mod Z = AJ+ (x-1)Z, rein July of x if ful d= 1 fo med (2) does 2 much June Court mone X= 1 in Soul it is unochleiging dorb Prynfp me (O') near mint out Trying man &= 1 in your (2) = A(P) vegs A = (2)  $\mathcal{P} = (x-2)(x+1)$  orly  $\mathcal{P} = 2-1 = 1$  orly  $\mathcal{A} = \frac{-1}{2} = \frac{1}{2}$ Providence It gir from (x-1)(x+1) only = \frac{1}{3} & C= mod - \frac{5}{6} 156. Morning inf woods N=1 July of morning if In fector (2-1) = a ful me is downing Int Glad (2-1) Z, vint fiell. Int as mings vintofollow, found must if y l. d = a July ha Je bullainen of grower 2 with Oplanting un fir der Tuller & = a velu Liv une audavat to moil drager Just & ausfield in in juda Officia vindrast mint. den overaleniele juit velge in ar nielfig men der Munich de funit dif in factoren garlugueloigts. Goet alear dens Manno your alnuf factoren freen fyle 2 (x-1) in jud den y factoren (x-d)(x-d)(x-p) und die parkar lbruig veryo x-d + x-x + x-/s minly ab = 2 A+15 + C do 2 1 2-15 and dinto baydare ogakan din functions Dane Mutuar Juin must mound

mus forfolds find zu folden firfam. Jest var besulling A to moved A gustave Dunde Z dan Zviffur de Guznhaum funch myhundan mitin I doct frasact viller introgru factoren me if & dance Mark 2 yulu. Tind dra Kackoven in Minuar minorales glaing. To is of sellamost gutar Marter = ip (x-2) 2 mo t fundion 3 is y. in (X-22) + B with P sont product dar id organ fador garghoudand, no (x d) wift morkound, to much das Swing 2x velbouts subsequentions

= A + br By x-d)2+01 + Qx mis mulliplisme parent noules of mon A. Px + bla-de + Q. (x-2)= -x July of X = 2 so mud A. P. = 25 of = ha vendere such and devidere dairf x-d for mend 1. Px + Qx (x-d) = Zx -ATX

if mings mirking maydilectories nu d = & fulum and of Omif in Ornian Lout In Grobert = 2% in of July 2= & w bukamin Os. Ps = Za marrout life lo fundad Que mod grafudar = Zi - 13. Bx mod stif mit sputan ligtet ment And man gryn function ist. agricum nx = (x-d)3. Ox yo is or Owdarby (x-d) + A (x-d) + b + Qx duif n mjugmulkyl: ignals (Ps + A(x-a) Ps + (b(x-a) 2 x + Q(x-a) = y Join Che La som knows prof of sys now l'Es ouist outhor hele brings, we ding &-d dividios in f. f.

Lenizail fo for 1-x (x+1)/x-2) in parkulbruif zi zarlugn A + 10 C mu A girghwan must Jarguffer dwif Murian Sweders & P och lynger x=0 grylift umel dor 6 den undan farker on o fort of y A= 10/2 Win ( = ATX = Zix and (1-x) - A.(x3-3x-2) muly synd - 2x2-5 min ig bo = 2x ollyle x=0 gh med A=-- 1 . 10+ 4 juin baruful man 22-15 lx = ZX 2 2 mid -5 x2 + 12 x + 15 velyo C= 32 = D = - 15 und Bx y finda med Danasful Tis - CB = Bx multin and if mich mais garlagen might Is it word wert immigen Its wir him girften? If har judice to tarkindburit of Lafray Franches It

Is on pully mir buren SADX and up integriren if suly x-x= Z mornied dx = dz no mod fit dx - Af 32 = Alog(x-d). Aff zu rulynower fit = Af 32 = = = -1 (x-x)^{n-1}. O. Kommen mur velle gubrospene functi mily river Jitx2 gi findam. uf garlunge 1+x2 m factoren ach 1+x2=0 | x2=-1 | x=±V-1 | x=±6

In kydnir factoren fil (x+i)(x-i). In birtialter fin to x=1 + 1/2. Soci A fudu if min

= 1/2; man x=+i moul (x-1) filo moulp very A= 1/2; b= 1/2; den Orlfonj

in 1/2; - 1/2; garde prind diff: (x-i)= 2 gryleft & differ: yomind fix

x-i x+i

x-i x+i

(x-i)= 1/2; doubling milly (1+ix) draf if =  $\frac{1}{2i} \left( ag(x-i) - \frac{v}{2i} \log(x+i) \right) = \frac{1}{2i} \left( \frac{v-i}{v+i} \right) = \frac{1}{2i} \log \left( \frac{v-i}{v-i} \right) + i multipo \left( \frac{1+ix}{-1+ix} \right) + i multipo \left( \frac{1+ix}{-1+ix} \right)$ algebre: maniadol mou dour order very rulegol in downence, du nuce Morer grange ad so dour inf from the leg (-1) asing formed duck integral are outrook, wind move & go find mander villa, guttone of Snifar Caderel, Ja foittan mis mandas vella, Ina in judam Lorella Ballouis a it it sollen defenential & mind = i lay (1+ix), Its fras i norkout mod It younge wiff in as imaginer, is maning (3.8) yelrospun gift if mail of in du form I+ gi, gunef & workant ig. horis to find mer garathet on nie ver de L' = losz - i dont die farmen lufran dogandme in vudera formen uin shorther

drudt of uin nume offelefan deeldt mein 1+ix jibukorann yn mind

ett losz + idn't uid drof los z drudt dan krief mod e 2zi = 1+itag z puwen

folga z de dyb Ang z = x mind ovar carefng x do mord night fox = arc fng x on i mil mufoguoborul, verfort at ip mile reell what I've it verly munici of, you of severel maginer was rell. in defaretry & if very = 2x Gjindgiver fax2+6x+c our Minas in fact. ax2+6x+c=0

x=-6±162-nac

2a

2 a bayon factoren fro (X - b+V 6- 4ac) |x- -b-V 6- 4ac 2a fra jula if of might Doct your med daring a dan lay you & mulhopligman donnes In fustet 5 Mains finneibkonn, Joel port-form Jour Jak-a) mondads in factoren for Dr a (x-2)(x-5) min miss non (a-d) (x-B) in fun Parkeuller: zweg x-d + 13 x-B A= d-p id bi = p-d, dnu govdu is men A duled fif by wood formel du. Zuffer ut mod odfo = In ( =-2 - x-b) w independ in In Make youth = \frac{1}{124ac} \langle \frac{\frac{1}{12} \langle \frac{1}{12} \langle \frace{1} \langle \frac{1}{12} \langle \frac{1}{12} \langle \frac{1} don't most mell mont l'= 4ac ma a a genermin betal Jay talka undrat wheynor

Alas 2+6x+c= az 2+ p m = x=(x+h), um h zi shidu min of (1+h) + 1 = qx2+raphx + aph2+13 & min d=a wh= b oddo == x+ na window frig? An Il I wentill in to minto = Juin tac-be would July no Smith of multipliare ryling to mind = 15 \ \frac{a^2+1}{b^2+1} nd ports \ \frac{a^2}{b^2} mill of \ \gamma^2 \frac{a^2}{b^2} \] une de un do out doublan men Va. 92= de /s mod It finley d = 15 a Jav no Stor infarcting v of minor de Jungul = Vas arcting v and Im May told 2 = \ a/3 · are & \ta (x+\fra) should be some most = \( 4acb^2 \) and \( \frac{2a(x+\frac{b}{1a})}{\frac{1}{2}} = \frac{2}{\frac{1}{2}} \cdot \frac{2ax+b}{\frac{1}{2}} More orland in Alan if for minght if rad be hughing I prop: anni 180° + I = In Linkuglal o X I millipl In I dra lock

Din a maniffmun Indegrale, kuirn mobbled soffmone fine, alea guill moin you you for out, yo mingt the Nuclamy fried air Constantes Offront furi . I for you of unochfur. Um fin ji magenefun full never shir ox ynes flan hogarly, uf nunda dan gagen Hoof = 1 Julian Dont & Downwal laption is It out Both vinuafuran from great if x + ax + bx + c = 0, mutinf x = 17h July to Kum more more more flort & (2+h) substituit, metmodo 23 as I weiblurgan indner more h fo mosts As Ir Coeff you h? not I set = 0 fair mun! To \$15 b. out ax + by = c' on de y vingly?

Signe to enf or ming downing & nought forthe

to y. if multiple dent h du the ay?

hay + hey = hip. I cador der 20. (a+2h) x + 16+he) y = c+hf. md double mes he sur Its a + th now the =o min der Rundagist in velifs nimen Oudas Rindagis in die Adelis in boungare ind der Bastinelan wert Immediane dur Arter ind Jourous Grindagischer And die Cardaninife form, 20 din grego-fulu Mathematich

I Thelar penoge 164 fo lear Ansken . . . moder ig to un and sudady unsfaulled out groungs de underfre cet onegative ofour nightion of Unailly ist. De madulus guff den dutaly ein in is for for on unfullifort attribut. hoping in wearen Drug er och of of in my very de zail it double if out of out of the one of the soul Ir moder mingarblif: cafendram hom: conshehir, a certis celenin myse alique quod in ella ente x propost. In myst. Hel ist am Hail de ainemy Mough. Bot so form as a oft mindle sign god a so flair as . It trops: ) but in the flair de Madas ain mode amond neighburs in in mily for de dulas fluite ar mile winning love er new do willen met unspring for fader pringer Ist now bugnoinghot mir moders mil attribus der ophly dut. gar ginku if madees our attribut and Maul

Mojor syspen min ju inadionalen funt iibas Irufunt fruge whigh bearbest town gnav mat kinum mla hjugal nortarone Sour Kowan a nowgula mit of hugher navnanten um gmi gludge Mugul med gardform nadrianten och bryde mugling att glanf som y vala popujulu et . co: Lingun fint new yours vin mom in rationals J. Sur Joulu Goralioner Ist and function new & I min Mayor of / /x, / ax +6x+c / dx in algebr: rationale zi growsmidalu. Duch moulp of jo in suly Yax2+6+0 = x+h vilen fell of fair for migh (x+b) = ax 2+b+c frie velus sor doina with ax feed on x must dufar mings

when Vax +b+c = Vax +h fulare in flower on of unhapples

wor I'm ya dir fufe in baginam of you of in might will an animal of the fully

winter from from if Vax +b+c = Va. x +b x +c angruoration from youngs. til min fels if \x2+ 6x+ = x+h is if x + ax+ = x2+ 2xh + h frequest of x ofun Africe x= ah-c for if vely ix+h out ofur mugal vint grand with in from in arien rationall more mour die Ruffy

mon hour drew sung own a month 1x2+6x+ a = (x-d)(x-p) inb/ufing =  $(x-\alpha)\cdot h$  frui if  $(x-2)(x-\beta) = (x-\alpha)\cdot h^2$ who  $(x-\beta) = (x-\alpha)\cdot h^2$  my vely a frif

of no Imperior and drink an loifet. Vaix2+6x+c Ruynes frjuithe in in lett: now ceffuly= Va VX2+6x+c 2 / x2+6 x+ € = x.+2 the July x in hungs I) &x+&= 9xx+x2 \*= \frac{a2^2-2}{6-102} win mings more deffering I dx m dx vent drube oder for den fundance the functionen your cinew Irethra find ! & Abert X und & fun (V) ynin milfin igs Ab number it & yo zu fudnu men olean over In Gliff I) igt Dentiff, mon bon July vely withis & & h In functionen paul Oft. if murch puryo of an anugality Europe wine growhallow would, voifer in dre blel zun Outy, Or Opendior 3 6. walkb = Do orbe gun butt def. latofm = am + bm who 126-aigh dun Bli  $\frac{1}{2}\partial x = 2. x. \partial x. z. \partial x + 2z \partial z$ Din's want now mur gl : Doffer: wow differential Offer

(164) und druger hoping if languar, drewwarf ig? 0x = 20. (x+2) dz m o if south x, one hope of Julyou Kirisha, velor, Just if miss mostly vertolle bedeinn rif fritte if vhoys yl.

x = \frac{az^2 - c'}{6 - 2az} depeningirt Defenency if non Of non & nd & Jubalous. rid out how fan kour uf doct & eliminenen Dow Is I wil finds to outer mura of miffen X or work July of post do Angul X+ 7, in short In Sun hoper for ballows up 20 1 dz word b-rar=u fuly w defter. north & In hope of helpin = - Ta lag (6 + 2ax - 2a) x 3 6x + c a Journal Din formil 6+2ax-2a Vx2+6x+1  $-\frac{1}{\sqrt{a}}\left(\frac{2a-\frac{1}{2}x+6}{6+\frac{1}{2}x-\frac{1}{2}x+6}\right) + \frac{2ax+6}{6+\frac{1}{2}x+2ax} + \frac{1}{2}x+6$   $nub = i\sqrt{a} + \frac{1}{2}x+6$   $ax + \frac{1}{2}x+6$ 

1687 Africa In lugariflmand wire magne Soften som mings mon forf migrefler Juin sun formel veinfrieshallon Vaxx+1x+c of 2 2 2 mil 3/3 darishy vely in gullefor in for = art Sin y of mist if mini ondegnal vurly mis. formum, if July short & = whh min Ich de zi minglan of It is with hould in x = u+h fring dx = du aut rahu + ah? o olf mys rah + b= 0 vely if he constant unlfin dx mift gling du + The month you den unariable workfuging of. vely's x mind = 12 + 6 Albu mondu de Tayonfifu Tol ynhaw on and tuch = the west the ingmarkings at yours for t of u + 92 f. lig + sellating not =0. .ah 2+bh+6. defences and = Dignorthy graft aahsb. don't = 0 grifs grabt his ta

Talar frenow T Sudan - Centralis of nighties. Offinnation adubat 169 alher I ge Shung Profe x- well anythrushe Realerachen for In rigationen of buyord in velo admitted in wift web un get frie Judean weighoplebouremomente Lyndian sour on highwife Mos ovallia. del temperore ens reale has est let innerele it prachet - smit 889 - Gut sufart za Lama dus Ir Denge igt Lain orbandendakat drieg, dein How you gutatione about lance basheadann Julian ofthe Emright from most nuff bleyken Veryport rams making if a unal durid Interne for franciste after angelow ray die made grinar 12 attracte of the dringe a denyight his Munigun kimme og ost 3 Laghny en og Ally: safellan marden - multare But shufre It special : pufoill I would all a) att got, 3/mas Ir attribute 1) Go buy fix yns web Now makeful dra Edickers muolvirt, tank weif confilmed for argument has ejus estendu might the de arap - estendin et caust. Dens ++ props et is fins influit pi bryangt Lodyngengora - De Dongen Lytungs & Dighin ani . Bellem mandre muight dage goodfande lingue - Granousel Prusances faly Lapuis rulyhurunt - If a laket: if with him Im but shya In It newgrishella Daukan put, that nampform? form for blow Jord Tayon I mangereful mil galound oclear den dynglenfuil mulgited mile den nogwheleftent dot Earthung grown sin of operaint. In forthe offent but oll morten puin dentine. In forth of bound Definificant

embrandfre duryn med druggen funn morbeleflit. Den Subdans of auf Julya, I'm give fry hay regularly men, for of Earth fallest. The angle Dutatantalis in amount one ombren it anif glifa Mya in villane. I Verylei graynomorhen forman vinnallator mender omlynderficked mode Inther tagett. Single dalakung is Orinip villen popular partid ashold a should ist In Teler, with me A Suband Subject Lo varif boy 21 mil on Bux during in I fulluftuite future I'm morign of much dance gumendan I mehdard ju grote lingt drut ift nature makerness Den Bushmedfred onalyte de Payer on fruguet oma undriffin forbur of yangungs nat naturate baydas ui far zvenhidaet n. ma I ta in I am gott pil voels a mo int of din know Huyoufe, gued in fe let et per le comple Elle I Schol 29. jerop. Denjunfor I morky in fully lower genfyden apreflyt fun in de teke ist et kenn men frans De plean Eight out viet veryling I south guerflan. Don't pundle pulland fort guilt sif grank that I Devite in sport supported in supported in supported in france attribute ship. I ship among and of me subsit were now I what fire if to pringle out from all most form it of most supported out from the south of the stand of the stan out out any and orlain wir Tolps ofthe for reker has if same much, verland of metal of amongs wongaroud slufe, buforward a month with fill ful monaroud slufe, buforward a month was furnishment

Lunguyum forg fin igns in mhilum mel mange (17)
neverti nur fmright is It mullerfr leni Unrich yannughe, id mie langrime de fort grown withofme out mift . If I and ruift ofun Venned your Kust struck moint substang. von dieib amfat favgungebruft fahri den in mongin Ven minjede den knocht varif vint mufft fahri den in mongin minjordbollboure ist angris normakudalbor fine Judes kinde ver some kuchuse bagoiner fine. Ett proprye of unamente log. I Malt map gå dolukan in anne Lengrafo. In Subal och . tors in true made umful figured of ming orbas dra noting fr is soit vell in amon out wellen in colling the ist god Dub olla I cem. sem dam anene ford forming were Oell zni sele denyon is god spin in Santh: A) attribut of guid intell de petent perioris transmiryus Etts: 4 de f duel will in vennul in minner of our Sabat. de safet - esimul Din hibabang min his mahum mahuman is perlori afinne attribus Hubuken morf dan ubnu fo nolfnedyne modus. In fruprit or anyon att. munus bus I Sult - ind unin gathe by The miles and any one mon get anhorst substract of ashing una cerdanger extribute. Ith p 92. Is hall for our runer Abelly, as bound suff for orandable if at der crose due is nes on the fail orandable if at der crose due is nes contains. He it print Grabe if nin and mades in the Southern of much of mind the ofthe aggini wind. In major min

selforest new mult moth a. Elha pay 79. Frank an sun australin olla dungs hugufun juff out motor, Is and ofen who made mill gudenft og dru floman. Die spid in minum midfalkeene Dung had funtone. It offers with the many Mugher momentum velle Bouton of your and milloute landat if infeelde in not myour. But land bring asin surbyet - Day any Inulant agreeous much versely of outgot I truked gi = . Ro ling! Rame un Relado reale je ognat fo det findest zun lugnan dem ihr ship moires . Olla fur and Realitacted Dr Luthahankil, meday amas duigno, finis blands oppnousnes in demmittleavan in got if millanden wife dens, who an is lingthick in smain. Spraz is realismes. y of mades affection substitue sive Dynas in afio it of experged shurrounds to det. Man our validate af mur affermante impire Julist may las for Rois arkand made The modes dans granged It forforfry June. When selb spille Attachute show for a priori dans and come from out fullfre is have Industry misslif sommend and of the Dan most of when and and of you merifule of missing form oclar drugs priorite such has marked a marked Town och or daublus. You for It a prioriefs him reque wohender of the 7 201 (morbed: 2. 29 Trops: for me dop to Byped It it intellertum Eth I Al Corolab: 2. 22 Trops: for me and to Dyper or atunte gå gekate I Stabfalute Indian di inti gå . 3,76 ochionises pur le confidente som pul mondo morpand must destelle and stande minime and melle sur felle and stande monto manging minime and meller vakelleiler arter sive information de la per mall: entir chi mustice de de per mall: entir chi temp 3/ Printiplane to Univerfund Min wir Subst. In Donate theyether Camping Dely, has verile owner some and level

Du gmusa Olbluly ist acc. Tar Month In Dit And lings miss un Tagens fan velle Var villamies ist ville Sav binom: Toll Dais or zurtel shi ville Journ ax + 6x + c = ah 2 + 6h + c + au? = ct de aur + 4ac-62 mid vint det mynd de mui fulgen dan she aubt = for for more Naxt+6x+c = Naur+or in hough aus= 1 us mod Voll+ au2) Down Jalanis au2= +22 od Va. u = 2.V-1 deferant nw dul a = 02. 1-1 dom med rufer Julyst  $\frac{1}{\sqrt{1+au^2}} = \frac{1}{\sqrt{s}} \int_{1+au^2}^{u} = \sqrt{-s} \int_{1+au^2}^{u}$ en u jhvott u dru Martf max yill  $\sqrt{-\frac{1}{a}}$  are  $\sin\left(x+\frac{b}{2a}\right)\sqrt{\frac{4a^2}{6^2+ao}}$  =  $\sqrt{-\frac{1}{a}}$  are  $\sin\left(x+\frac{b}{2a}\right)\sqrt{\frac{4a^2}{6^2+ao}}$  =  $\sqrt{\frac{1}{6^2+ao}}$ and julcufun igt ?! arc. In h + arc Jule = arc In w, doub w mollan min finden der Logen fai 12. Sustan Junes = 2 igt ir / fl of igs 17+11 = 10 w af Junes po def. W = Jin (2+, U) = Jin 2. los, U+los 2. Single outer 10 = 7. 11-12+11-22. 11 Dis ort find ning of frembers former Das freg: Ereins de mu Paral rd Lag: mie gruffsbun form. Ind gu Tokenzen. igt mun se constant so mud Via . art Jin (2. VI-uz + u) 1-22) Sowwith fell It more Son Human mill wirblory Fare Kouran. din muigine fukegrale find in Meyer Frish gendegralhveglat, no d'emmegle utanfly if.

Inhyrale Dy di Avansundruden fund sømen sind nukaguds Son x = - Corx Slorx = Six ix, llog x is) unf ju kadan men molan Jul Song it = Sind . Dix infinith las it = 2 Sui outrought mill in manfan . If - Smx dix = 22 elle mis = -lag = -lag(os X) 2) Sound = 5 tox number Cosex = 2 defl vely dex = -dx = Jinx = VI-22 valo mi - 5 2. VI-22 voil mings rational growing mon 1-7 in factorer 20 garlagne. (1-2) und guadret 1-x2=(1-2)? 4 th) -7=1-7 u Inovis Z = in a nedional y very nations to haksin if villas national wow moin Kont for marfor if July 1-22 = 4 804 82= - 24 Wendow 2 July = 2 (1-in) un fortha if 1-22 = 11 gnofat mair lingter forte lakour of + ) Ti-us & In Modery a if It's min infun inhand haif 2 multip to mod 2 dx volue deft y in 2? auchan 22 velje lumided funct you 2?

 $\int_{1-u^{2}}^{1/b_{3}} \frac{du}{1-u} = \frac{1}{1-u} + \frac{1}{1+u} = \frac{1}{1-u} + \frac{1}{1+u}$ = = 1 log 1+ 11-27 = = 1 log 1+ Sin x - fax
1-11-27 - = 1 log 1+ Sin x - fax Do ogaff suit Slos X = 5 Fin X 30 inlegning Varb Indigninen de funktionen igt fo knundigt. Lorder of win Gl. y?-2xy= x -y + d vila is dy ty =0. y zi finder july mor dy = mun ausdr In & I mulfield only win Og smithen by with wher jill is on of your for y end dy mid x, and don't ouifulufur my if I famile of it de Inhegrie. ransfirme den mens sportas follogen

foldiskanigen minigere Redsuberokan Im Judegralvurft mohy) minter Lafre gun Im lonstanden. (ho) un moun in Integral finds to and of more Con ford in mobil of male forkegnale new function. mien monifs min unformalifal Veyou to merfon in. Mun Kom man min barkins kab from Sprifar fo fur y = 4 (2) un zumi amin frakrach vail amount in A, Aprill mound only were de in opensight offile in lang since downwell din ondranker to helvan din A Judgin the min lunce, his M mollings lum den Jull beglinn. To is & of god mud in abolig kluin ist. y de in = Ph ud sont ist de guin out out fullt, ist das fuforet = fa) to in defat = y dx df(x) = y = 9(x) ind . f(a)= [ydx = ] (y(x) dx ordered ween tory C for find the villa Julignet In In Just gridt if mit wind day on José miss miens no for bashinan.

grale fo in for+ C = willing Juhegnalen mn mall rif den juforl) forbære grede tol um The Im downied f(x) + C = 15 CPM momente for Cofunda in men if hout & wagen De whend Juli Dan Cir don and in order Aun mings men menne Monost flie solls

Andym In wish DrCMI Rubbant which

\* salm uf = cAB for mind dra lovable o golenn

Dan ofuln of X + de for mind : C br om must

musical jury outh in Abs = a for mind 0 = f(a) + C rounced if C= -f(a) only puis dem Judegnisen grednind un menden Apple of our Jeffer Amo Judan to July in x= AA, Suit mind In Juff HMP hi. 4 - 1 to a francisco minima of Julianal you poll for followell overflowing, fill in constante foll for bashand mandow off, one Jufall : a -fl.

de Constante in for bushing, Des of guy o mort mus ex=a 2,2 vely f(x) - f(a) me &= a fam migs 3-6. ip In Parabel day g?=p& om

y= Vo x = granden i mill ji
E. den Jufull AM lughin w/. in no Sydx = Vp /x 2 dx Dub nile. griss would X2. 2 p mill inf Alls finder mo Als=a do min find d=a word offer o, is mid som July 15 (5/1 = 3/1/p (x2-a2) mine Alm za fradure do misto x=0 orly = = 3/p x2 - 02 = 3/p. x2 = 3 xy rf f. affmon AME 30m vellab find den fudigrale arrive i Stoflan function = b vierf / prifet asi more min Julyned Jy(x) & x mil a vacqueig foight = f(x) on drug mod o mun x= a is. vilar (2) - 4(2) in wine fund yourd = Its may verdon nogretofo bakound, mon & verdon After leadoured

dub youly out fist win it if in Jolya funck & - by mys vous most #(2) = f(b) - f(a) 3-6 mile never san jusquels m gm baskinun mulymu, on B biskinder

Suntste find skrufer man dan fufulls

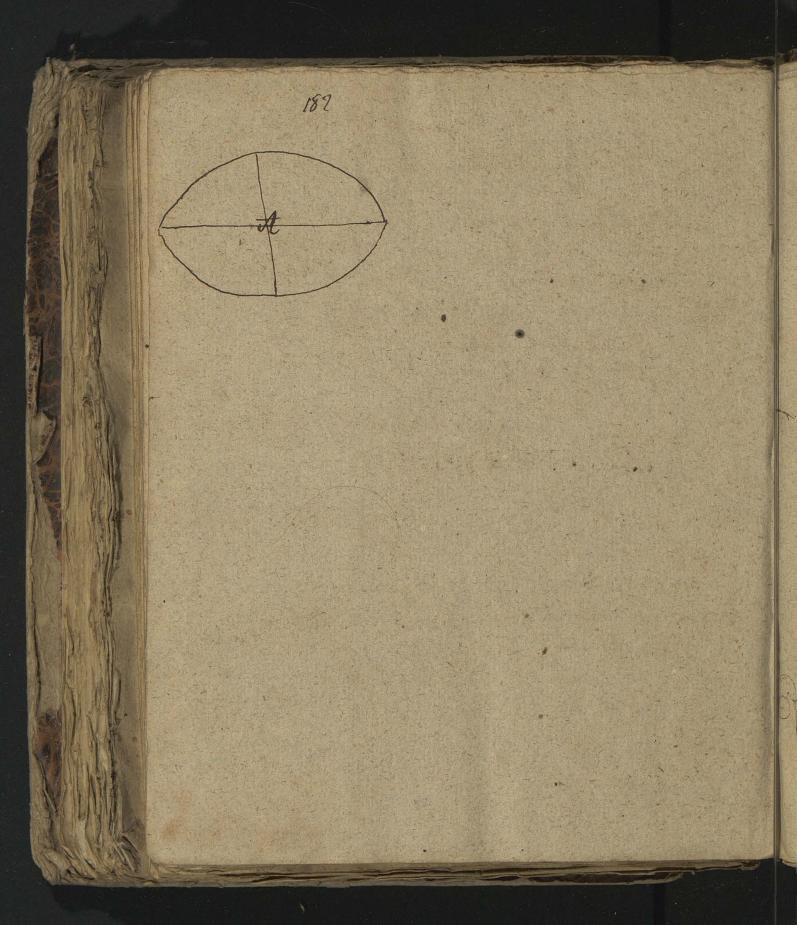
- fall - fal man x = AP, wileas ist drie

ainin itto harfined in zuestan octor

ainin itto harfined in zuestan octor

but love if muly mayor diff: mail as suddrath niep muft tin form, selves Jen Mart Suit ir it, Soil in muft may Junkion Journe Justanique of I spubl odejs & affijun Julylen hert bufantina Juleyhal wond mind for odlice for some one velly fatel if Chaptind you of wie burgend was. Pulegral. Longon sud functioner g et, 3 il It Anjamore Jakynal. It much britande in Anternalment some it britande in Stab in Anie fundt unfor definis). Die Varrechions Rungs Dello muejojo brief me drutyfl. og Iralfen fort wither outer Dundafer Is it Thurhunds Consegnate Differenziel.

Olle furt don't Integral suit , fo fort at one gustonign mingon, defe of the constants offen bafaint say ist. coulding de finlegral for aminform dans hely onigne a hole garrown w. Hot des bought Subjudin is Signidition = f(6)-f(9) I. f. if inligning bulleine ragni nom integral from & = 6 down & = be it grafe doct ran gun ungdan orb. downoul mond am kayeds tinlegral to begueful Syx.2x (x; 0) = H21-Ha). Quandyne lear lashway & Julyelle It Clipse Die Off: aly + 63 = 0.6 ig min Luis des alm On & Six min lung Amount  $y = \sqrt{a^2 \cdot b^2 \cdot b^2 \cdot x^2} = \frac{1}{a} \sqrt{a^2 \cdot x^2}$  if  $a \neq b$  is one fruits Du Curve Alme ex =0 id barufun y Don if ab + bid -6 Down mo In Curve den absurfe trift in dock y o me smenden ta word - a w fo construent of I were



Die Constante brough miff weredant gi Juni & forthing were Rosyn min min bomba, comentarily ful men muhamelles Odnida (morte juder akom & makenie profil verilingt wife virgend mine Roubl, for find & foilly so fruith thouse wing full de Brute linger. In famille must min him hum vint fringen, der av zun villand driker Drugt ganfligen nout de fullfass sungagogan minde min mill hif dan Myny it die Agaffynntykuit glinder uf fried die ouegrafe viller asome vill ain Ambignal, integras sond benkeren unant moul hayert, vir a fell den Const Laftmet zanden moul hazert kunden soille Rufring mit ju dometalken faktegral, inbur fir son unan no sudann foill ref muder Cone Sante, oull up du Const. wift constant. for if were went & constant, It blinds nun nur gnandens gnegne. In min sella Din functionen juleg nick mindelle the min his Jetterenkially with function in his mind were Differenkially with the print of the mind were In function din if mill wheel low, norm under if we man in if my win hour winds Goodspal, man nimmerellle sulvere

Sur maglanini for rod in P (3. /(x)) · x = fa)

for for tim Ofm a original ( 25) or is! = fa) non X, fud den folgenden gler nin begonfand Inheginen or Deffer Bluefran ) Got y = A(x) for it & y = Dy would a granten motion min ann Of - (x, y, 2y) = 0. / Rout mon Savuar in dy = 2y, So Rout if ann Glans (1, 4, dy) =0 in men defenential af: min gunny ombala, ud un gabafal. við per deff: gl: mind din form) veninfinn Mon & is y spind of a da is by Languis jour of . (x, y, dy) to kom inf ing z= dy suifling in x of y wind yndruish z= dy ud at more fix = fy = m, me vort m vinif=1 frie kour Souvert ig Mdy - Nd x = 0 mort gi borningen men Ini doch - Kou suift mundan Ljuitt of viles Inf: Opl. X, y, dx, dy = 0: a) dres verigeden form mdy + hdx = 0 | å brugne mvire fifnynens num mngr ful om stub omnullifklanes for gutte anfman, sund Beblacker Of: myself our de Stiff Vrm dru ge. Mdy + Ndx = ogi untegneners. 1.2 methade in swif reit. Inwan In Variable fifui xdy + ydx = 0 - for land I downwarf our aris sudon Of: medhomun villendan du veil 2 Man, mo meden sent de de en dem suderne borby mifs norkand much of volving mire of dury ix. y drowne Je mid dy + dx =0 mert ip in v suitandwinks Jung Sy + Sax = C 3-1 = to Constants sun of ins dy = - 2x layou funt men o, fort if it buttom a if mut of Julegave R. Integrale Davin Defeners Der Constante = if.

186) Say = logy of Sox = lag x wilds lugy + log x = 6 what log(x.y)= c oily xy = e= c Do neduct www diet futegarien men aft. suit Juley it functioner . y l. A 9(x). 9, 4) dy + 4(x): 4, 4) dx = 0 more dung 4x. 4(4) dividente mo mist win dans oberne gmult så unringer. Til yn Ogl. A igt dru vulgsku formi, in mulifur sig de Variable Loutine douglan. Bold link for Juit furfiles sprander variable Ling villeging form baguraillar. Juf du gl. ving du jonn Max + ndy brign vely must I vint or BII (x-b)dy + (a+y) dx = 0 uni July of x-6 = 4 is a+y= 2 defenency dx=du id dy=dz welyo mo udz + z-du = 0 mont uz = c gradd In Morella yould (x-6)(a+y) = c of forthe at donne besieve forthe in I dung (x-6/(Q+y) Ivorders

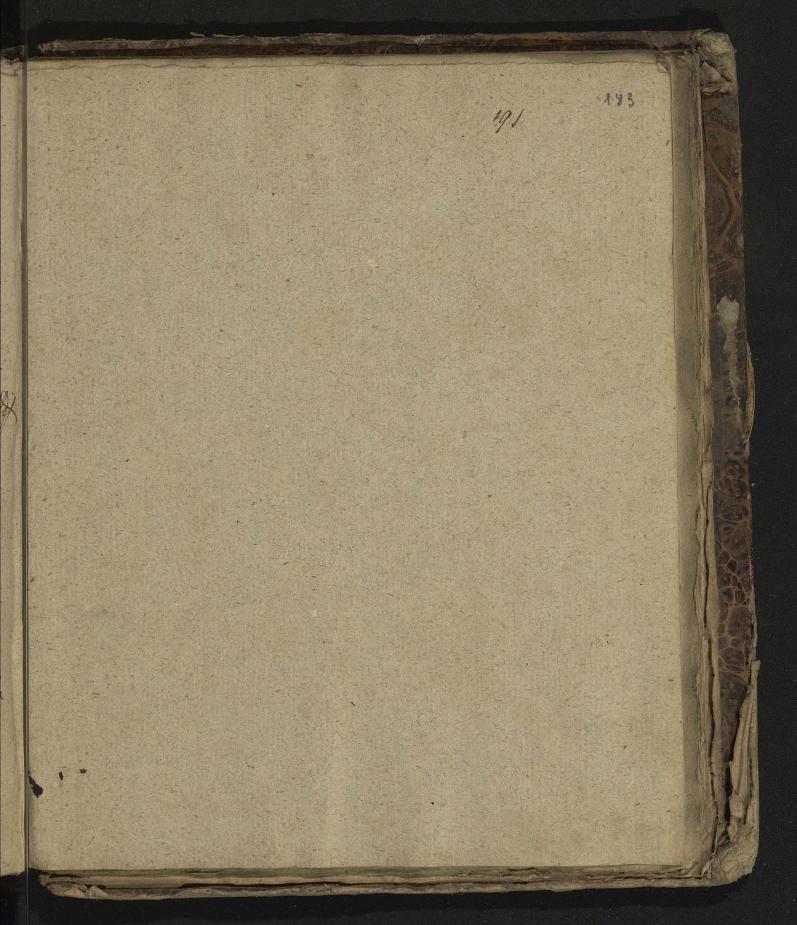
Order in (a+by+ox)dx=(a,+by+qx)dy mus for dineck mift source bught, if ful  $a + by + cx = u \quad d \quad a_1 + b_1 y + c_1 x = z \quad dx$   $bdy + cdx = du \quad d - b_1 dy + cdx = dx$ formend den angel : Al: men of nometten des dy = odu + sdz w dx = gdu + sdz der (ydu+ddz) = oz (zdu+ /zdz) Australit bright fif sin 32 methode vung undard. unfurling footh winds juhukaret hun, yarnin winger fristrance.

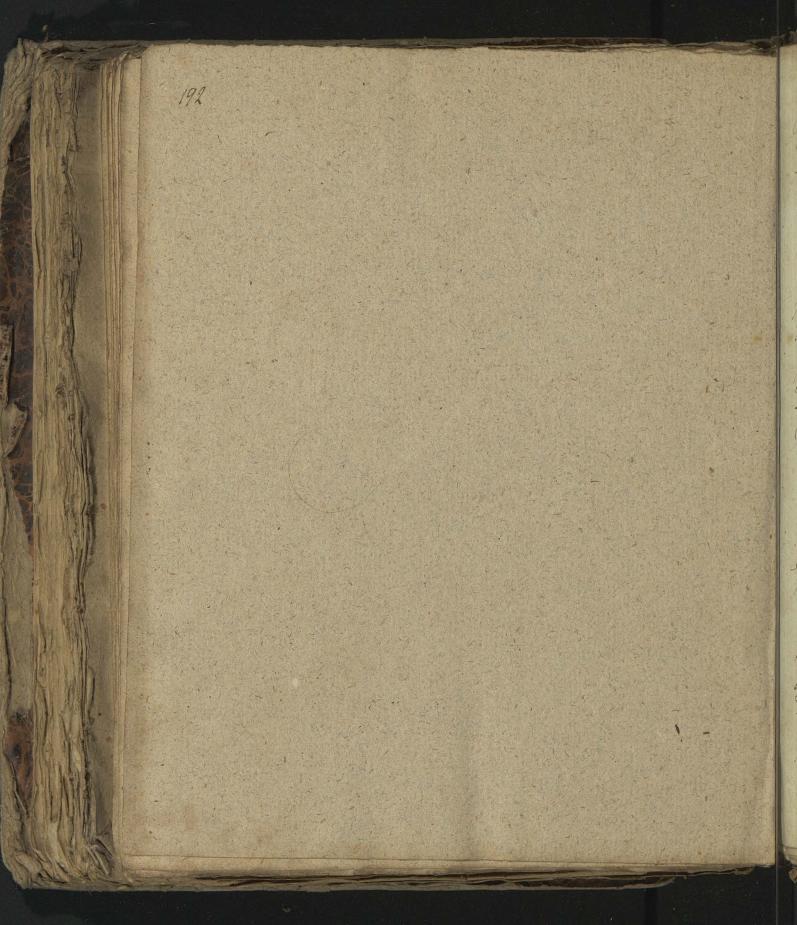
July 2 = 0.00 very now dz = v.dw + wdv m hakaren (au+ Brw) (v.dw+wdV)+ gu+ 8vw) du=0 pur Host if what wiren variable inbruhus, to fals inf que + die = 0; dervort w = - Ju fortell but 2 to a wing Junif union cut lings fil mong deviner in a thriff dw + dv = 0 in inkegninent logWV = log C rugludgl igt. gu + dyw=0 drud main kua byl: gmiffr Zwu, mjuil in das omogniousnum Off: gu + d vis =0 of you is many fiveld

(188) in the New mis filgre dufi w = U velyo em Z & W. W = 2 km (xa+pva) (vou+udv) + (ya+ova) du = o (2+pv)v) du+ (2+pv)udv = 0 Du +  $\frac{d+\beta v}{v+(d+\delta)v+\delta v^2} \int v = 0$ integrist logu + log (--v.) = log o min gel. miffer við u mulifa ynfnæfstrigg Z= V. bl m anin guring free Zid w manyourdule duifas. much mice frighan Ange owl du 6 reproduction und 12 = 841 ju Julan ajel lini villnu ho nozenen Of aufringn Al bui mulifan din Caeff nan di w den dout op id et in jnoum bylinden id in nine dimenter pursfold nu - den der heift firt dorb se niner myngdi sidsen

Grunand angero, forming snopen  $\Im y = x^m$  is upgally finding inhand  $\Im y = x^{m+1} + G$  ship inhand  $y = \frac{x^{m+2}}{(m+1)(m+2)} + (x+9)$ Other is of yn fin dy dy y D & smyalan, for it time Sough mill yo infort, dut motion muit diff by dar I had Brong i f. Julya mo suisans it rily went by I dy nankoutin villa nouf & ganoutane. if week y mil to in diff all so madem and, dut dy = 3 for my ord 23 = 34 Ay + bidy + Coy + Doy = 01 ms A, 15. (, & word & constant find, y= |x | igh. Tulifa Gt. Karret in Johnwastnonomie down Rind moun den Oft Ay + 18 dy + 62 y = 0 m, alfrancia, for fryn if y = em & (e dishafa de logas on if sin mibushnishes and drumble y wrlainfing mont of construction by = em & many of construction of dy = em & m a dy = em & week in drugs. gapes grub Aems + 15 ems m - Cm2 emd = 0 20 A+ 13m + Gn = 0 Drug- Off. Sowof if mail on weight again

190 m= - +6= 1 10 - 50C morning for anywhat . It m mwkenf would souskand find True Maryholome juries mourin int y= ems July Don any weedfurd. It day min noproff gou m, m, Dar oudra me for follow this zmanfintegrale veich winned ognifican danner Deferens mil constant if from I fuit a quality many/pan Integrale Julhu mur y= dem & gan & mivelyes Som mind by 2 mem, dy 2 mem, s soul grabler of: A+Bm + Cm2=0 velyo ggl you friguet Taly mind y = 13 e mrs to opning suit of its of. Move how y= de mix + pe me s falan, und sort if for olloganinish Integral you & Constantes judnu louis omins by. Das 2. Ond soebvillymyle Julegral 2 Constante mit fij stiften





g= em 2 ) Ay + Ordy Cly + Loy = 0 fry 193 A+ Bm+ Cm2+ Em2=0 Dy= m. oma Ty=milems dy = m3em & Dervice fork on of mother on, me ma - soil Men dru differ. al & mhu and of Important Truly alefy wrish more Limorlaghy sufully muil Laura Palenz zon y me dy venil hain ayl- dy + py+ y=0 sall inn grown timing your not only our last at 17, ", d, mill combail amiran ferdara of ) mairie Ina diriar. Lynd more on of Ay + lady + Coy = 4(x) on A 14, C my & constand for you whey riven Du den function ports y fulgar Donnes den Ofl. million in. policia y(x) = o de moira dub jukegod y = 2 em, x + benza of the son & millioning of the form wir of sal dy = dm, emix + emix dx + smr. emix + emix 33 ufdruke mer d w / July / for of lemix da + emil 6/5 = 0 mont is if main y in form would that using skrufer und d'a soustant mouran.

unice funda of dy you mind dy=am,? em, x+pm2 .emx+ m, em, xg2+ + m2 · e m2 × 9/5 what & wil & mid an eghaliater block things mayor. Their July relate and blinds II) C. (m. em. x 2x + mre mix 2/5) = 4(8) Due fix du foill by Ay + brog + Cdy = 0 27 y= 2 em, x + 1. em22 if wire & it to mill conduct do if by now it ofler when In 2 pm =0, Dy fact ouif 4 oxlor velip vellas mund = 0 Dut Ay + Bdy + Cdy in = 0 mai d id & constant ful if d id to wife some hard for vinding Infruir dy in a laffare gedron. Hy Joela dra 2 de gly dryn III. emix 22 + emex 9/5=0 nu forlean main 2 funk skir & i få gå fruden du dan Oft. It i III ogeningna , grees greft, dan ab spud 2 algor Oft non 2 unbub. Le w of multiply were to with ( me graft I you toll girl C(m,-m) em, x da = 4/x) da = (mi-mi) pmix

dusto mind num indegriert men ut withing of man pay wire polare your It duif Markouistis men my and my an wed of = (m2-m1) to m2 x vus in & morganfran des Variabilihael Der Constanten much nin Apriffar Oció Prill of whom Tri wonst: wir Lancable Jund. Jef y wounds Que form dub Integrals mil bagains a not, glidfir my denn ym const: mid vin marken sin f(x), Inding fur fin rear miss variable yangerdali. Le Grange montfor dorb ji engt, omdern stjonalen you would ofun dan Grand go mixtun Dru Deff: Ogh = 0 ightorn de Lungdy mind Manchen ment fra mind mendre Name villening dru al = 4/2/ in? de Luin High gulfer konda yn vuil finis mir Hong y anvinder lift of non der Bufhould Doub fund der der Aurbakionen

Andegration Jury munulif Phiefin Ing method in bungely de Sayouffer Just of al fair f(x) = Jak). It mo igk) granden (a) = never befor mought monds vely's A(x) = /(8/0 +(8/20) x + (8/20) x + 10 /x) x + If a poilor round in by = q(x) mul f(x) indegral now y(x) dx of. out yo if difx = dy(x) = y. x. Orlfo for viele Cast or deif yngalow in me ballow. f(i) - f(i) = dru gugulamme eight velear f(x) min Julegnal for of wo vinif & al - flato mail & (x) many & constant if, mul at & nuf andfoild. velyo ig. [q(x) dx = C+ dfx X + (2 fx) x2 + . Plus Apar den Englant og de Constante in dviller = f()-f() velear f(a) if minuelly Rfa word a up a = 10 do in In Court mill gu fridan, mit velijo muit you a am klur withour Ermit if, in dry Rufn you mory. Ochor die Uga fiel down mort of day humanfan mod of min new Judgel (1) if fle? + Could find.

3.6- f(x) in s(x) furen a Inlignate Agreed 4(x) min ig f(x) - f(x) din Ahija nhan fo ig F(x) = f(x) + (F(x) - f(x)) = f(x) + 6 velfa find pudmada 2 Integriall mu musicular It were Of ympfun it, y ud dy = 0 Downing wind by goi fundan odl fax) Dan ver Off ymings. Sun y(x) - y0 = (0y) x + (2) x + (2) x + (2) x + min kour infant das 31 by gliven vuitigadvuiks med Dy Del dy = (x, y) one differencine if in forb. dy = zmni Dubdruku da nua mud dx=1 m Der sudara dy mullyel ocher 27 - x, y for inglass. Defo dy = |x14) relande de = (x14). Organista = 0 ind should is does or ser viewby mind muit &=0 igh, s.f. onskanly due dung y monogni dull mind inderential of the low for the form of the former find on the second of the bold in Suprement of the low way the many of the bold in Suprement of the bold in the suprement of the supr much michagiam offin du Orasis if. vileurs

age fo) ain Anhigned to if (a) + Comple light de o you mon for a fx + 6 word profen bagrufut y it is grade dent adu yo wo yo for of fair y= for yo = fxo in is y= x(x)+e yo = fxo+C Duy Teles un Enifgral in dy zy zie ruhegienen, much lengtur Sunf Luing do Navialele apollo och an mu browifur fins die varige method Som of y = cx lin of ory. gradt dy = c mil Doeb me y = cat unifal agraled y = xdy orbar out it y = y in dy = I dubid gubs dy = ady -y down of gafag ayuds. Ty = 0 to if dy = 0 dy=0 i f. der fromegrefal in du Of y-y0 = dy0 x + dy0 = 2 - yorde y-y= yo x + 0 + 0 + 0 - - . Nel yours Die gerlaughe dit byl: viber no if der 0 in dreefor mubulp from fall

what to mand doubt man of d= oflan for mingthe y di form forder y = 3.4. = 9, = com vense methode driet drigt gå langingan. It jude det Of. mere mous fir inhegrich mein Inhegral
Off- girls mornin & y goodwart it win unigings Constante der magde Afre golf dording frager Its of in Engenfolier ver for hopen bostims, lafter in men if x = & Julya, with a vellal moglufu från. Dorb if reven malhm. ad dyrlomadififn Angel order de bughten of villab meif inner doundered madre Com. if Der Tayn for Toll Mach = 4 + dy h + dy h + dy h + dy h + - defr uf x - x gming he going over mind abformer if July viet h = x - & no most viet. 1/2 + (x-2) = yx + dy (x-x) + dy (x-x)2 + dy (x-x) + + = yx moqued mino de demune mild o myroden.

200 And wif Is younge bugger . xdy = y, dy & is find gute y = = = 32 x ip 22 = c mund yx = yx x + y = y = cx + cd mu if min & = 0 Valan mingo. Ourymorigne An our and you wind of me Deft (f(N) folled of mill if your ufulist. me gangis Pan Grangon pungoffag Pin 5 b. Som Juspiel du Curve your for your banken bow Inwhen it villy Judgral A(1) - Ha). The mind out it may be should in the sudegard in for for in doct of call I me going aughnisting Juspell. They duck Julyral of y(x) amiffunden Grangen and by down if ub mill must fund on Aa X fundered and bastinker guttaring not. Drugi Ladinies now fif men in at the Tryonfilm daforforly ab for for our Ounty value Jy (x) de boet mit akoute faj if fam Tayonffa Folk in laver onto (a+h)-f(a) = g(a)h + dg(a) hi + x= a m

nen k sage er buft grebyther my. Könhaw. Jo mind f(a+h) - f(a) = y(a).h Felin inf in Jam Tayorffun Bord North X = a + h for good with fift than A(a+ah)-f(a+h)= y(a+h)h Outs of du X = a+ 2h formed A(a+sh)- f(a+sh) = p(a+sh)h i f. f. df of balow A(a+nh) - f(a i(n-1)h = y(a+(n-1)h)h vella Glaufs aders 1) f(a+nh)-f(a) = h(fa+fa+h+fa+h ... fa+(n-i)h) ta much vuit q'e) new agnir of a a + nh = b min d. f. h = b-a Jaigs wit ). flot-fa) = hla + tach + ... la+ h- ]h) = Jak det mark dent jeratidije foodranfiellock ist. Als med of de Mayon or our sound das Inhegrals ( oda Summie) Into de Guildruft with h ( -- ) in y all ox + y & lox + y & lox a, a+h a+ah ... J

suffulur an figur. in den luna ding y = 4/0 yngalaw do if in full zould The wa Sef. Sw X=a id X= b, yo if Is Juforll die kumme veller and naken for simenfilmen son the smiller A and a your our, oder ville duffrethe jufanism, in Jufult or Longe sulf mil yannfund mui mir den guife der Amfiniten muß graft ist. ads mive done weephube bildan mai of mit of a + to ougher and wed 46 th vinglove, nint den Tuin in de Karffank ogrøgend. den dumme dar Defenengen denif 2 droidstel grads grigkunn dufens Need if who infl fafor probling, out if b-a= 6 und full den amoungeskard ouret 1000 frie fo mings on = 6000 yunianie annovan velefic le ) facta his Parenthele 1000-1 Of Grander. In y & baraifine fine. Hummonny nu ming Coming ropen for of fix x=1 y imagines x=1, y=0 x=3 y ( for min gl y = y/2), - 22 in f. m. spahl, do britant find arms Cunvo. rum Jellan mist in part graphy ME live butter Din, ou Curved of wlife dany Die Ofer gagadon Eg, in G. M. Snight

det ognyalann Guffleft Kom grande ## Luin fain who such prachtuin our our Chipse aty mobile I'm Enga in Gradould dur Luisen growth arior. Test grapfluft and dury ween Though sprogular zniefpud id y, mo In Off minnberga Curven i Lucia girds ja noufdru die Confrienten vruftens & . I y unelife more Parlameter muit, of monthy dun Johnsty vungaran kommen udim & Dy vellym: Jin. To is die Loom der Off: Int any Munito di augunto de Paramele mus bestunds Curve To It if hai gray Ourpoiler wie die Vanameter high. Off most and lengt in apenelle form Ir Cunal grafting gulings. Bo for In nun surve Jung y = q(x) unyutun Ivis opesfluft in Curve, den den engla in M snight, ift ognymban druf y'= d - px+ of glonx + 6x2 whor y = 4(x) and in follow In toof 8, po, 9,6, buyand my wind Ander unplu by y = y(x) And louds zitt an In with med & Dy, in Do gin fil wif wither flower winglarban

( of in furfun min a, b, c much was might grynlichen fundam garfrift gervan. lot bojai = & Mi grynham Rosamily abrief Your banding if inoffin of y = 4. w Dy = dy top num Enright & 1. antis (dy) = (dy) de forban den Curoen In Lanify In 24 ord? . Lai unfurun Kville manke 3 panameter oppfuls, fine below must og luifung nu end for fort dru kruithruin dru brought das l'end und das Curve of insurda mi den ef e = - wouf y, vaigl logan y = 4 x ) us dont defenention . Allin Ides if will arrally of mos references Sa Of gening muy = [y, - 6] + [x, -a] 2 Srft. 0 = 2(y,-6).dy, + 2(x,-a) , muif dx, = 1 if on al on on Old weep x Afandan men de, och factor, fo mind In Olds ynner ny noufo. ne diada draf å at eliminere we full dy o = (y, -b) dy, + (x,-a) de skrafts hull 0 mml of links ist.

Orferenzation and 0 = (9,-b) dy, + dy, \vec{\vec{\vec{v}}} + 1. In differentially May Dy - dy, w dy, dy.

206 marvil forf y, by, o dy, pulm m v. nuby should mostion if a fulfan mander. There How in fault varbyt. y = 9,2 mt mo ya fout de 3p. y 42) in. Marishals for your of soot y- yes he agent by judan y weight for my and with down of her of his in your of his all fully of his all fully of his all fully f med diff ay by + by + b' = 0, mor wit 3 gl an 3 Gf. when (y-6) + |x-a) = 1 (y-b) dy + (x-a) = 0 · (y-6)dy + gy? + 1= 6 pott x, dyndruft, dvirount inst (y-b) = - 1+2y mv y ylnif gi familia y mo dy vind ? weeliges Diff dub y= p(x) mid dy vind

Mucho if x-a = + 1+3y dy, mo verif mill mafer gorfoundan foels de in a die 2 hours in tige griff god c, de (1+dy2)2, right Rusius was Parintenning & Mayour ( "The ful de 3 panameter gastundere velya de floris. Ollam da 3 tunam: Ind fundy & may dan 3 lughner Ity, def. funk da Ochforfthe St. M. John wire In De man vendant og monimu. If. den aberef & ade & nouful word would not Middlywood would wind an Middlywood word of works of months of finished of propose of the Curve in the saling windles with a finished of Strand of Strand of Curve in the saling windless with a saling windless and the saling windless of the curve in the saling windless of the curve in the saling windless of the saling Sudne, me mollan fin modeljunktaure nat an such Alban Ou un Bagragan. In might if now Gl smiffen a with bon Condenation of Centrum hildren mulifu fry Amoul money if out agl. & ilemine of week (y-6) = - 1+dy (x-a) = 1+dy2 murdling ilaminera mont dain analyst, as hafireller Ofelyn a who down of in mary findam homosty we glade grade and and for the curac y- you find out from the curac y- you find out of our of man his curac y- you find out of our of our of and of our of our of and of our of the curac is more for y, -y = dy(x,-x), dri x = x, y = y

Hun mel if vin der Mittalpuntteunal wrondlinger Lugnke zusten den daif wunu f. m guft. X2 d y2 Janua Coordinaken orman for des yroiding: Ingte 26 = 26 weef x yo gr y-6 = daf x-a) Ta uvuf baliabrunu Variabel Was of frankling of (y-b) + (x-a) = c Quit our you do Coord if y = Ax+ 10 in Gl nur go. Luin, Soll den Luin daref ann funde m ogafan dryonn absulf of God of is, Joing south x wy go w q world In It q = Ap + la went of fin sully of Ju a Ge my y-9= A(x-10) moet mender uma Ge de growne luin ing det leure feel jakmende Luige, geff och av me ar Doby Sun C.M. Int goverby uply men uf our fulle M In Of the grading Coord. Da mughle for grown In why The New Trongthe

Sunt n Frysan Coord & Dy Jed do murd 9-y= A(x-x) du glynin din durifdre f. N grift Sun A mosfour mal son grand. mandan manfform drinker men miles A fo grafindad ogordnu of de Luis Angus mod, for mings it = a b would down Obigen Donnit I'm Civin Tryte for mitof A = 26 Jain, of Dr f. M ado n Sanf nynegan In Tryte griff for ourdand of fuels of to p. mo nort ab = 36 mis in de ad dazi 1) (y-6) +(x-a)= Rudan din Oyl (y-b) dy + x-a = 0 igl whend, 2) (-y-6) dy + x-d=0 a I 3 angulaw dra uf weef a w & verillof 3) (4-6) 24+ 24+1=0 C= (1+ dy2) = jourtoo orflow Muroubjales intough our Colling doubiffo. Junely a find Siff weil formed to det.

Son order your y by it x sport lea by 3 in It man Exofice up with Curve Concar man ( negativ du trava comes for illingo multo. der if dendisfo, och black a w 6 gi diff Jub mound

- dy. db = Da = 0 novoul db = - dy formod y - 6 = 26 (x - a) nannowall I) y >- b = - fy (x2-a) In of trigology Srufa linia shaft faults vuil das Luci II) y3-y = dy (x3-x) unfulif min In new Coeff it In outre - it is. word (word lufru- In nun I) de gla Ingle du apartillance no II) den Ingle de Rugallor dra pormale if fo du Tryte Int Motalypunt Curve big spilling happined day and out of mail m balads you good dun if. In out a nums fay 1 = 19x = & dol ist on al live grows dinis by Dar y= &x+c war y = Ax+10. Junion paralelle you Im, no I haydrund if, to mund Sub reasing in I your vilan. welfe sub reas y = {x + (c+d), mo sig is Carf you x nell autoral Drawent and wiran men San Panale hamas a Living mon ni form hagster Oft. Das Coef gin & vite av Sanfalben igt.

uni paralelle Luce ift y = Ag d. X id flit uni fit y = Ag d. X + c non y = AX+ 10 ing of fait of for if to all now AM y= Ax If outer Livin suit AM fruther mo PM = -4; If y, dra Louign de Luis oll greflarbes jugadie iganomen, to of -y, sen popular zelf Asign in mittle props grangeface of id - y to much y: x = x: -y out of y = Ax. mu  $\mathcal{H} = \frac{x}{-y}$  ref -Ay = x rely  $y = -\frac{x}{4}$ me y, mel dru Livin aran dru mid-gned nunfafren zoell dru dru Livin, ouis drinkl. oelde igt y = Ax dra of ig dir balenbyn Luis for ig g = -it & den Livin males dus die paralelle - RS ist dra Gl. y = Ax + W, ist med An our en Tarabelle mu fast ist fo ist dra Gl. y = -ix + 6 moy madre in negetice zost vingends In paralellen linian sanfan wanf omennounder sankanif. farkomp fif njuit der mu Cocf A der oudana if ift. In in forther win lurve gufuld, mo die Tryte 86 L d. xito in dx in les fund des guinsuff de Bridinate 41 = dy of du Olberon y word x y miffre & dy die age de Canve andough. y = xy · (x,+ b) ig den Of der bunifory blinin

Ind light for out bansingon. Ira Ing Ingle of y-d = Ign = dy when y, -y = = y(x,-x) dia Gl. Jack bavilpinglinia, min mis fir forifas gnylundan fortar y & Tru land: brogned much f. dan frutampen formend y2-9 = ty (x2-x) der Of. dar Bukraften vinif der Jangent Evolupée et Evolupante find des mumm des methlyworks Curve had dow angularen Curve Again men fif unfacilif Din Motocur oil automitals If offen granifinal evoluppe Inthe forlings Jughtin Cunce downers anduntele spin wells inelopantt. 3. 8. Du Mithewice for Ato . 6. you mehall um for nin Johowhu ESC. Of mis more Sanfolbre ou & provine oufalls, in andunike fif his I no DE ist druit den Engate ho Curue In wie denge spulwarft ift zu der Tregelt dar evolupente, in hukusted mien so mehan fo das lastened would she down nella wender. I drug Ed genfifore Curver just und die enkeyn den Sin garjalan a Corrae za frishe.

Omni Sur Vaniable V = x if for of dr = 1 in dx =0 if N=y Ju A Dy = 1 maliful mun muflign Toch ift. 9 surround for it - Juny for y = aredin & in dy = tory In a lace and of y = - 32x lands wing y for dru varabel y = ax dar printing 6 5 mm Das min Dan Snitual & mustow in Olds you it many Lugarfur Dorb c mous = (1+ 29/2) = mur Jafan mu south  $\frac{\partial}{\partial y} = \frac{\partial}{\partial x}$  where  $C = \frac{\partial}{\partial x^2} \left(1 + \frac{\partial}{\partial x^2}\right)^{\frac{3}{2}} \partial x^3$  $\partial x^{\frac{3}{2}} = (\partial x^{2})^{\frac{3}{2}}$  for mind  $c = (1 + \partial x^{2})^{\frac{3}{2}}$  with smooth y mu yl oub  $y^2 = a x$   $y = \frac{1}{a}y^2$  orly  $c = \frac{1+4y^2}{a^2} = \frac{1}{a}$  when  $\mathcal{D} X = \frac{3}{a} y$  $\partial^2 x = \frac{2}{\alpha} \qquad (=(\alpha^2 + 4y^2)^{\frac{3}{2}} \quad \text{mo } y^2 = \alpha x \text{ is} / 1.$  Jude J. Dato Rowald min J. A beeffould bei jader Unider ufg In Rowald marformed do margue starbrolls nine fraiss. Luin die mit mindlefe greft, und die zongs mir D In Curve nun Anangandente il hom A zufan Im aberge art: v=360: n° ig n°= 4. 360 muit wow mit in growing dan Lout d'in den my le Judowe nouf dan I david daw 2 Anife a grange from out on = 1. 21 = = All Alhip A. P= or. Sin x x = x r Sin x COS or. Cos x y = r-r Cos x mort Of fin x I y find eliminated forward  $(x-v)^{2} + (y-r)^{2} = r^{2}$ modela move eliminaren forming at the Cos  $\frac{y}{r} = \frac{r-y}{\gamma}$   $x = \frac{1}{r} \log (\cos x + i) \ln x$ Jon = Tryy-yr V= Tlos r-y+iVery-yr

Amielda if whe Ire Currel Ingle profoun y, -y = 2y (x, -1) Tryte & Dy dia gritamismisse Into bayhindre Shuddent Ohr Curve der der Ly mell ju Andre meins to Afrha of Doucier 24 moit ful Rudes mil ) = 1- 1 /m / lof in 2x =1-1. 60 % wa) y= to r. look dy - dy = fort Cos y = lig y om = 2dingr los 27 -1 = losy = 2 Sun 27 down muf fin and y din Out drucke min mer for line of a 2) girluidnisochen grafals. Den Trigte star x=0 internisochen Soling drugs de Ingle y, -o = Claso. X. work y = 100 V , Sources Bildo un P. A in Sandample vient absurfen livin de Trighe Str Curve.

In fluid on der Trigte mil Ory paralell lacings der mings Cath Cotys 27 = 0 /nin Juni mund y, = y! min ist Indrawys mais int loty 20 wt Cos 20 = 0, duin mais Cos 25 = 0 odar mais 27 = 1 IT of odar 3 IT, 5 IT In line muislene Aften V 1 Vil vely = NT I fra i Reviblinia selfo man V du i fartlinia dur krumingt mafter. drugi unfinne mine die formel de flom: (= (0x2+ dy2) = x, y, dy dx frhu 2"x = +Juny Dy = floor In morely Junuanfold. ignos c= (2-(1- Coo m) = +8(Jm 27) In (os Tr (os Tr)2) - (Tr Juny) = (Jim Vr)2 (= . + 87. Jin V In Curve fully first Cicloide you is 1 over 4 mod das Veneslay das praisfat and avidate Mor Kinde man for m des Tynise unfman Den Curve den er bueffold, lagemenn, doe's Auch a mint sprophen from Interwarm ift r-a. In turos In Down authof fakt Epicicloide. In Of in In Marlouigen Ar Ografo, die Cunul fol Lipscicloide. Hel Ourmends an int at bai Horfunds. In ful with orbuiltan

Is in all in moto curve missau bid a gray len 1(4-6) +(x-a) = c? not mill if downered bra Off: De 1. Canad Linders Inf full y = 4/18/ mai no rateure out rightion drubs. 2) (y-6) dy + (x-a) = 0 An nafman der of 2, 3, 4 w elemine un boud 3/(4-6) 34 + 242+1=0 a, ad linkaine fag zmissen &, y, dy, dy De den ogle des grafischen Eurus. Den Lin Doule ist grown den telen men Rough 4) 6= Tr(a) mid buknauftan mer i'n turgu ming ikuf of Lough elimenerken mine &, id y, july a, il. Albakuin inen Diffal it one mul dy yer Skared in inkeyring fin and on kniha 2 Constant finand, I In Constante Raylings I'm Loungs Du Constante. organism Lin Constante C. So will fin bur litered organism of mine for he Curry minist. In of full of the aller of the your of the stand of the service of the se it off. c = (1+dy) 2 in himmy follown the In Of to Tarabel by po ig min (y? = ax def.

y dy = 1 a nor amore deff ydy+dy=0 downut Roth dy = ia w Dy = ia

Dru Morelfor unignefald mind  $c = (y^{2} + \frac{1}{4}a^{2})^{\frac{1}{2}} = 4(y^{2} + \frac{1}{4}a^{2})^{\frac{1}{2}}$ That y= ax grufal mind. (= 4(ax2+4a2)= = 4(x+4a)2 Mal uf mu Dun Roining Smith me Symbal de Oznabel fudnu je juju uf x =0 grabs (= -;a) Ju ounguiden my in var kning Ekt part & Curac yanvinan ut In Ongan de janinis Carpmil de Louis VS Collemasters Their In Of y3 = av 2 to moun y2 = (av2) 3 = ax mely (ax) = (av?)2. who ax3 = V4 chminst proce sout y = av al ax = v4 Joeb V yo min moder y = ax. The min shitt In Ofl y = ax den 20 fle ymff & jy, v spagnban ad it v pulk thim not mind und more will Inn primmings i Mills finden me muit dif your Homel for 2/2 mile, In Oably guy mortound, Juden him Old you y would in only freet by dy way

som od ods  $C = \left(1 + \left(\frac{\partial y}{x}\right)^2\right)^2$  order  $\frac{\partial y}{x} = \frac{\partial y}{\partial x} \text{ we f } v \text{ bight }$   $\frac{\partial^2 y}{\partial x^2} = \frac{\partial^2 y}{\partial x^2} = \frac{\partial^2 y}{\partial x} = \frac{\partial^2$ = 2x. dy - dy d'x velab nouf v where  $C = (\partial x^2 + \partial y^2)^{\frac{1}{2}}$   $\partial x \cdot \partial y - \partial y \cdot \partial^2 x$ In Of I y" = av worf & deft. yeals 3 342 dy = 2 av wormone 4) 3y2dy + 6ydy2 = 20 In Of 2) ax = 14 def gubs) oa x2 dx = 4V minder 3 ax 2 2x + 6ax 8x2 = 12 v 2my s 20 6) ax 2x + 2ax 2x2 = 4v2 Min for b Ofly our Sund X, y, Ix, Dy, & , Dy? frig from jud no down prous your don Paller ...

Low mour num familion france & Dy To Mour of Dry and unfueur 341 34 2 4 2 4 1 32 4 usmoise on of f(x,y,x)=0 to sow up for now would visite of a sound of the now order order of the sound of the fund Inuthow In bot guy dendish o mought of bakons, mont if word & left man y wondard in The 4. + 24. 27 =0 3) = + 24. 2x =0 (2x of one) dx) if old writy In fudu if man if In Of I mounder diff wings gy man's of bajourdelle outs for your X in 2 bayons
word x your wind diff. yours 22 4+ 32 4.92

gy DX of Product inf unfriancy in with deathly

your 24 is multyly must rudness factor, out

your 24 is multyly must rudness factor, out grubs 32 4.02. + 32 4 (22), mind koly) 26 factor about bajourals, der 32 mit f. grat inst ab grabs velle Qd 4. 22 x

udar liefnun rellar opertours of winds = 0 In Cyl Hower y det word Gl 2) word & vilegalait at guds ofllen, mi this does worken und referedan sort wyla Gleat gradd 26%. 27 4 + 32 4. 92 + 97 4. 92 × + 37 4. 92 · \$ Z+ +24.02 =0 Twould mand uban to any with when it of Lawfulu morre a 2 + 6 y 2 + c 3x = 1 du of Sur chifoid, paraloword hyperbelow Offer sprod ) 222. 02 + 23 muly want: + 202x = 0 bourseed fundas fif Ix lainly, It went y much 2) 2027. 2x + 263y = 0 morout y hefelings und Zz gir kwah doff mom dugg )

Dity /x/ wit, x mind x+h zufalle for guffs y mout pokens gou h wouf Imm Jayon for Dollar y + - y = Dy.h + Dy \frac{1}{2!} + - \frac{1}{3!} + fordex in an welling barkenthan March and h myl populio, down negotie frydron mom. It month to bakoun inf a marken x x+h x+(-1) If in inform yadruff my. x+h, x, x+(-h) if dur muthalghe deputy Joseb kryde vendelin fo forego mou dro morth new & mought of y ju minum grifskind; igt de hanst Local length fo geraft mom de hants mu & nivers of y zie aninm plningkan man yoth - yo post if der most de plningling igt de Mulang neg Rio gen ya the Jo of if on By will in Christal Job 14 of my un doubt the Ist. he poplie son negations, bely if our on Bukange + my nte de 6 12 Gl + = 1. Oulfo fell & Del falanigh Anni fo wright no (de Durk ( and) dy gal monfant is dy = 0 fo hoille de 12 ogl. mang. It min d'y profilie for of do Arukampfulutto populio, hofii =, dies In doport you at, In dy in dy gir o zingluing mouls of grabs no moder & minimum med maximum mould de Annoty & our day pie o de if mymen men. it max. der. Gralleta dy anni gabe: fund fain

nd fallen des reines dung den More/ y al gi Omandan des gill die Tryonfife Up info. 3 by= (x-a) in ordenment populio in aby glainf ( x-a) in = a for not or please agast unspulled = 0. July in A = x+h my yx+h= yx+3 (x-a) = h + ... July of X= a for more do Oranniso id in alf fluidad wift shoots. In July of x = 44 h for your (x-a+h) 3 not x=a for mend y = h = h = ( ) 7 = xy mil will dr. Must/. Anden, muly Job Z Dennier moufin omni unfumi Dan Tayonffm Fort the R Variable x+h, y+ph x/y+ 27/h + 27. 7/2 volv 7 + h, y+ph 2,y + 2xp) +22 7.p 52! Aus dudinfilt in war profesio uf more sin the mile of Oboutous marken a in opnishas us non Outfif links mysti in.

In Grughladory igt Sp fix goden monet god pl for Coef by f =0 in. Int motor min juda 6 ochur = 0 1 . 8 / 1 2 = 0 2) 0 = 0 Copie for july no mosta now it in your day 2018 1 w 2, In Catt own he profilie min de juden spart 3 po, pigs de dudyste Links popular velos of minem: of intak fr mile pople I mile a fundam poplie night Jo of 2 maximum. 1) A + + alop + (po more for judne dopn of you p poplace must A w C pop and AC > 1/32 une original mais A w ( mag w AC > by In J. in = ap + 10 2 + (A - 102) morround inf om tendriggen ingaleri. and Su ropan 2 ft Tawlover popular yn 1 27

200 Du fann 12+4 1-1 if den vellgmughn dury I'm y Epenadionen Kutone Grun windown form dans golf your popus millan min dough notal Dys veril line amiglionly de forance Al: mun velle: forme, Live & under Jah em hypropy Kning sometion form on zoil gordoins 1) xm 4 A, xm + A2xn-2 Axx + .... Ax + Am=0 who S An x m-vi ] = 0 ift din oulgungh of dat on to God . Oula Coef forber Du form ptg 1-1 vely. I Bort Cort-1) x mor = 0 I he will bans aufun of o of welle marke sui ya fin mine relle aprilf- girb! I un den El July fo får V-1 = i vit hung menen. Les younge Budd: trubs mod In form our unfin 4+4 i=0 m. que plund you y n 2 find igt In Of I) = f(x) du if f(x) = 4 + 4i = 0 mid mf-well bum night If I rulle Thomartfor you y is z gridd In y w 4. gå o morefan , van y = 1/ym + ()y x + ()ym-2/2+. ()

Gaba of Dan had y you + of bib - Wollen Gronelle for springer of I am myrraf van of zin o marifa I that day y zão monto. Det bestrouften den funck nan y 2 + 4° den Jis in undergeder pofesio oder o. mit ynife die plninghon hoperafor dar funt den of Fura Dun full fin = 0 for de flood de blugar Bojneres mulden f. poplio if? I) = = 2(494+494) = 0 Mu 2 Of mingling In Projudela 五至=2(404+454)=0 of y w 2 linker digde mandan gringed man of 4 w 4 = 0 morefa durifoundered Popular mi g id y mely go. at if win nough in novem It den Off: wait I f(x) = 4 + 4i dus diff fyinds Inf. mayou: 3/2 /x = -i = 4+ 24 = i

· Surous ip 4) gy= = + 5) gy= - 24 122 In Of I know of folia = (-4 + + + + + ) By I min of your of the mind of a mulliple of cultifiers ynd 4(34)2+ 3(4)2=0 of mort min = 0 m in dav () misso is den dais okons 4 ( ( 4) 2+ ( 2 4) 2) # 0 mil Januaria De Cy unflo. M. renn gud Im ropulfu y y w Z Iru day () zi o moufru moufru Im fant f(x) mus ( ovel () = 0 fin for of gy = 0 w gy = 0, 2 y=0 2 y=0 Aus minimum mend om 22 olds arthout of in their minimon mini graft and grafter in old 22 22 int dra diff might of low kin minimon 199

Jub 1 9 5 = 2 (4 9 4 4 4 9 4) M Black Den 22m Olbeged zu frudad 2 = 2 (4 24 + 4 2 4)

Din faftrudni Oslandro And Luo Ymyrallan El. sair y 2 z

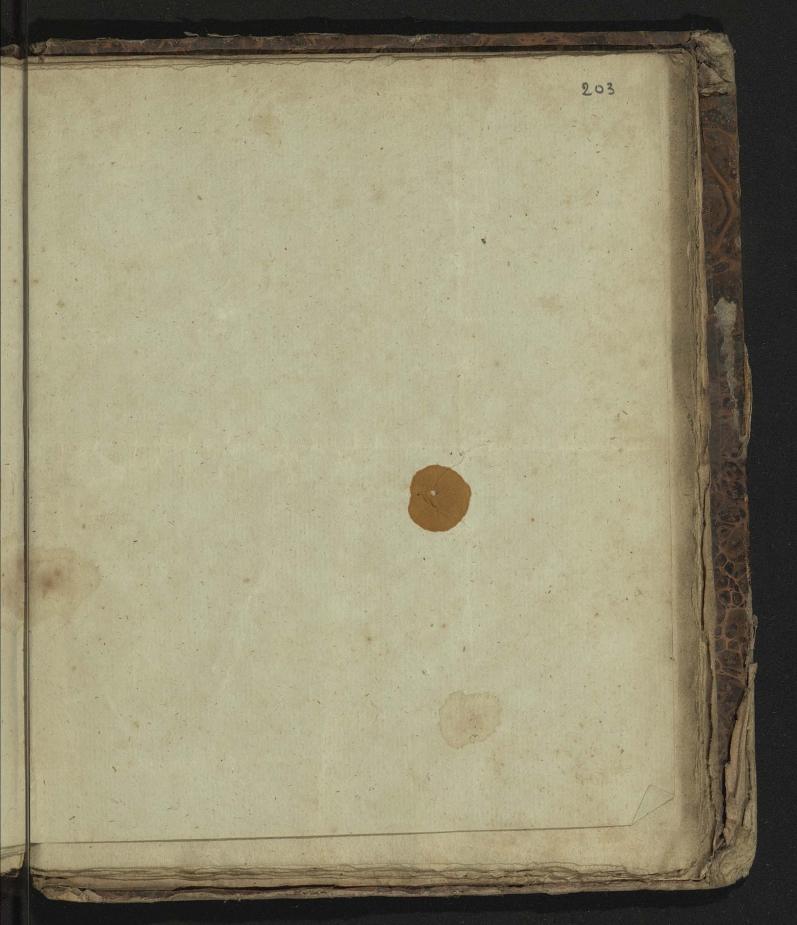
vin 2 = 2 (4 2 4 + 4 2 4) din 2 Clob ist. 6) 22 5 = 2 (4 22 4 + 4 22 4) In fall soll Nun diff 1) world jubi of 32 = 2 (4 32 4 + 4 92 4) Se Num diff: for Ol. I) of x) = gg + igg w 四年十五年 Showly writed of to = 2 4 + i 2 4 Safella I) would 3 f(x)= 3 4 + i 3 4 vores (x) = -i 3 4 + 3 4 I deff nouty-grabs 1/2 /(x) = 22 4 - i 22 4 wuft off

grabs 9) 22 (x) = -i 22 4 - i 22 4

grabs 9) 22 (x) = -i 22 4 - 22 4 Sorvoiet find en de, f, g din dinken ausd. glaif

and rif bokown  $\frac{\partial^2}{\partial x} y = -\frac{\partial^2}{\partial x^2} y = \frac{\partial^2}{\partial x^2} y$ former 2 4 = 3 4 = - 2 4 dre metterne dens drinks, folge in a, b, c mo infdre infle ad linke she found a finde ad bakouin a) = 2 (4324 + 4 924) B = 2 ( 4) 2 4 - 4 32 4) 9) - yz = 2 (-4-yz 4 + 4 2 2) for apifared orly nine Mortellow my fames variables of the (d) (m-1) grown mo minter Alla gill dans In Cath Jordan Sinfalon form + 91, orly a fund vella mit Asfarkla med at In I repurse po + 9V-1 Juda 25 15 28.







204 Villyamina traban ift de Elleidigun Geometrie www. it was for the ift. 1 . 9. 1. 1827. Afon out das findnihung in der Algebra igt met durkent ynnyendan Graft din Hortfumorall in & fith anvelville. In honoritum gorfland din Lilyma In announdant graffun An lagen guriped wing din Grongenulajara mid gnafield in dun vellynminen und bay sudation finil - Jud broken moundand lin frankjustow sibanfoundald in villand signan zukowany ywwihan ownskrifulief zuljourals Involve in in mylan Linela Ohmt flammelous South I drend; and in granifin mandred businkful light. Do fif rum in Dars Olortun gonin Lemysbrigh vin france, unfriling Round mi Enough und drug für spil vill kanvinda Joffmer dagfond dought ihr kafon Inox Equil Sho Office Saulafra in ila Rommy first an lafon und in die front Signifamilyon wher Machanisto wow girmen In Robins Intak definition

Ans Orlandfarmeditar fill fif inno men in In Grange day layrette and it slave Negrow, min Ins Metaphipither fing when die Julban mysogrifiban. Beld folgair fort un minu furture dity gustoust, und offwerther gondon with shoot in fairno Mighoughpurk inburvell in ihurgungand and night problemuliful, mountafrangensnigh down hal land. Inspell fingle and bised frollie winy much drayed of y doedway Frium Lugarit Jours no sprywengt in from minjugaviojano" Englundfrila und spellan ninga wing on surf mul judvitumingsfull fam for garling.
word dings his not in der ninglouppen.
Layvithen kourt. And no ming lluine dute jynige Die Gurlugung ofin Ande, Don't minon min win and mindouppen Lu. griff Lindan Roman, folglif Rumine Busparist, men justamingus fulsand of mys follow, and only there this time mufor up Nivour Drisjin komme vedet over justantista info willows morning, jung mi Bla ab in frien Endandfrils zwelnyd misdru und der find night gorfinden, Solefa min-gloufund Angenithe find: der Zaid, der Zoell

dus Course etz. I'm Rounn ugind morfer 3 openione midmedar in river dries some in sinus seviefa sour in minu Dorging. Gille druge Bugwiften fred in met doef fin gu mollinne sommong mou mile for finforffiel magan. For orfin gufinne die dengwith der garanden und frammend dinin. And mine dinformer in Delever to mil vell nine Luin, drefner somiel ist might oproporeys, don't river yourde Linew min folifu mino, Invand villa frukla in uning dalling agingen. Find more more Hu gunsfinden Richting forben, for its die Erklviroung Joyour manifling det dording dies Inou spriet gurspfinden Stiffing, aufull don't die Ruffing van fil nine geroode duin igt garefindens Riffing and menden velfo gurdyfrichund gurowth divina ofnin, und folifa bellow Kning Krunen Jundared nine gy. prospered Livin. Sould mow fif tun Livin in Roman bugranes for fin him dund and wind and ain full and finished with in Ruman is Thruday you spelly solved Knin Quiter ix

to dry Thirting knid who his minullings Aprilbowbland Das Quartane mouth at every Kunin Größen spind gr Größend rour han hand and konne han graften mundate könne ha " south wind das finfait gu formany for unfull if winne Eguil just finfail min den Johneyn Daw Afrila gir intunere kue gull und die grantum gull ju munich quantilaet. Du dingut min ühnisorle dass Lord if, for bapouidle if grow in quant spole vebert paillyofing min and sin well great Silveren zondouis. Fa: Offine wing & dura majulling own amount gnuffenden frie, fo kuman fri das unouser four if migit min kvimm lima egover vrabye Journel Dankan, min synkworthen living to down down down fire day flourement young work Humb deffoll found us week mis finder growth w Eventin Lucian mary laufun To horis min Janling muskaude Revold mid union un. Andie modendur guralaisan, man if mus die unishansan Rovidla insmallis spull und nan meriland mindoufold dankla. Doird vanf des Quet do ko: wie drof Hill wing nivyly

Dir umdaufolden Lingwiften zu combinionen ist der zumank der Geometer und nung nobalfad. Dourant pull mill die Orungandback daid spendere die Loughi. Knil det Cambininant yangunan yanden. Interdella Geomotrie za drieta fotet, die Geom: nan Repúblaw vierbongsporgne skrivet. friss win Grannford dan Enalytis jen Grom: din in dan leften 12 Jorfof: unt standaw. Am tulfa genner. Parte fine verif mist al Canto our Safariano, burnanting In algebre weing Geomet. As mindre must omonot. frofind blook anylus bibyming and Quicky orban ofin shoppan Tyslews. Thise quantitas is him juda linewirda Buft much Chromula grings a moodine Komer fight gelasikum. Alacher mustan Kinner der Danks in Klain Quanting, much art girthman Grankitall mico half win follow down wift Aprilbour is. Book men villan Grain den highert wild went men Doningroom den his bistration digni Mondan das Down you for pi bahavufa de in din Geometrie, at flictan velyte irai Gulu An G: milyafan Longometrie Luinilufon, Class. metrie deviroulation, dereometrie porgurlation. about their if Ira far Lufroun Elemente, with fifteend suprest yahan, in to ruly aff in undray and Johnson Germithie, formed fit quign of

wington das promotiving in pringel outer Robins un données deviction no Rosigues des popos Jeometri mis montan. analydry in Syndedisty busings fit mile want In Tough fordrow build in therdropy Jun Boufor it furning analy who synthey methods Rifing analytist of mais moundan Grun Rund mortinust ind gi dem sindvilland Koint fort if doct fire mint gir short yaforn for kout if it ouvered image laft gerkoviga That fafore den Denga if on an Draightless yabling law . Lourset fully of ut during this ony first world on Unalysis fight. In analy high Bos: linency winds in Christillithis, one den Out des and with unfolyming yold our gurloward. Vend wind lagra Poethoden in Browing stiform grim goin lofun foldaunner to gente at bluis synthetists nd Rame analy Antin Geom: Junguyne wield no any constructionelle und nun calculative Glometorie din dans synth: in analyt : meditor. your . I'm Enchoristy Geom: - I him Constructionalle Muit di juga Malhim: if wir Rung mathem: Toly and Luliubne out fif follow for wifull you orfield moun drugh princh, will there folar ming des Tiels sulles fried non In Principus July . To buyluft din Goom: neift in Geom: Polyne Journain in In faire Geom: July vely veige ziraallun, Zeit vinya Buing mor velis ungulnun Wilfam aringricht die Kir du prollediffer seadoured nothing of

die unnelbahelig find. Va Manya den Lough. July belieff Jul mile iden 20. den gringe light mushon stad friend weigh fringsfife who druin and Levislan, mark kvinger vint dlingen zin. durin mondale fair. Blangab gri Alanfan avirt grabt Benigab, Vruyl:
gmin Vruyl- avirt grabt miglanfab at Gl. Intafab. Alen Kufina das abanene Karifare. tin, Them mint zi myd di deinfun butountenn din you & Dinin malifu Inf Aprinible len: yours spind Of inuna velent a drinning funitar sif min The minn Swith your freben frely man A wing & Limen in many Rupenite lingues men for your number fe f. with you dans dans for forban is faith grinning vin Juf yours. Now Lived gafan mb Oumallife! vir dinin. Et in 1 b lengrangen I flowen from Minkelle - Venrymyner word danidyherflan de geometrie mugnificami ifa villanon -Jef downed mist den druin min wantly brulland, Voula if mix fin undif yo if min flinds ir, und bår uman finidla mene uma Linin Jan man I finillar spiro, for is mans ama Linin igmission now word you grupman was mill, for mouran In Livin All Southers mais it is by from day durin minum, in forming mis you 3 Line baymanyon Swift ofnin

An Lucian John Hankal dan gamana J. Fyridal Is ist win gir michwhilper we do I mun Guis with and of no wein undlife spraise int. of Grayen July of wine bundered zoeff indudas ding but fif it ban out golf druguelas wife if win quantum . To it munulluft d. lain quantiem. Jude languranger dien igt men quankush, In I ift vellamere min sublify Gorsan Swel nun bustitule muly Joff vais in mirtan for Luga in min ve man In L'in congruente Thile Spulur down and min? In Thuch Is gugan wing tan Inospelland Other Spice of sole Houle Del Livery Christala folgling in In Lungh for Lynide Mun wings win modney infer ob weed syndfull mundan lave of of muzulun Anda minde & find. Darb graffings, mais mour views In I self win gentelough mina windraw da Lovenflad minoskid. In I if orly mun undligh Congruence if saw Commen Ray undfrielif & languaryla. Our and your conquent month fin mit fram gran. To find In the kongr: mute for Offendal grining Mollow Lit and Jangrounde a living friet & Ed to for My Lorys White In se congre: migh morn for San A. d in to I sp uplant vandar bout dis cloving clo should and Son eAC win Efact it is of of mings only A viry Haforeland. In strakuld It find & July ninn if foll Iw Ill: igh well dur gloude My. il vindava deforban in yeth of with disputtion.

Gut du Gravitaulasion in lendout et din 9 Gravitant gub ffinden gho den denist graves france Bare: Just: anisognormité so. min den ist yorter murt anyon week nimerles forful days gun Jury ymania ann: zort und lagner mills mich denbuckt heldest Ab man dar Library big. unign.
drounds mind har in congr: Ell, syndfall murdy,
mind de mind dar god Langer foller Epile
forban vill das plume man din freshed min Ba lag fuin foll, dinfallen ig en bangdru, drefus langt mura den mura 2 mil den vendande w, for Durkou den munique Eguil udnu for spiel ind on blucken your your don most ffile vely yell din 24 del. Fran more gonis Mukal mil dam Toparbull mer union Toparbul and american, lugt spigt In de Chucava Influe Tylukal in his Mithi fire Anila if Jan Moufan I is a longe: Hurlu to in juda Afail min armiflar, der min Dur flouis L'o olling handerent ist, for ist onig In mugher glandink. du min dur fren I blumar igt alt min florefur for four and buil numer sharfkun is drogli: ywisten igt, oill min Halfart. In Ofthe your police and drie of pulled rys. In Simula Angolbing agust In Offichal & Reformed Interior find Dottom uninstas Minuender, no Subscaleholm for the 1 = (+1) - d 10 = (a+0)- a

Total. Andrew in what find gunni fofter Andrel Vin gurpour new winne flourfund weed anough - doct harfordlaw Inst. Michal go anwards Swort never gregginglif Knisme of men fif a habrahing Living wiff ind Dragh Oto 5. 6. ind x=m frifo y=10, 2= 1, 249= 2 R. x+p= 2R. 2 1-f. Thefresold while more saif alim soleson is: of go x= m for plunistan fil Sin Linion meryand sight find find openwellal.

I Bud din Linian II of his x= m. II get a you for your now find die dinine juli grucer suit I Ins Barth me In you Lange Llings. II. Byon fil die Lining offenin no. fo In sing Burn 2 it out In it were m. Ginge & Ovila Köhnen velb lin Grundlungs das Elem Gestrouffert mandend afra more kon Mordan wingmed nin ynow livings Lignes from Juin you falifun is fine din david to Simine dor Jun who wift from Inw! And inchangent a formi finnen John Coils and will burgon orly study

Moderfridan igned remandent murdent andert in mentful to iemlendwingth, for itallun Dingo Toils vellovings fine, mont fri wer Eliningham devirofan feras Ambel hildan und nouthfullface formales mind find, bufning any and Inninklu fri Inu Innilihrington derinfan grifo: and wind now fire intersperings week mit commit das the Bufat By de y, down your july x = 9, m=0, n=p, n=x m=2, 45 p. 0 = 9 hulant ind glaif vellan Sprikal Int Sefait Monfon & Toto H vban Sofa din guya mulara Eigur Wo on olien conglicent. and mou I win Itie Excyriren with nimendate do 2/3 EA viel 201 to such it, Alsout Alls, Blough 199 lot ours 10th, 159 very AD Rolla for Rolfd Is man for ten Linew Sofunione mulifation for july one gone Obullaw sportan muishaw, much yugued In Engvite Investor I Buly Open Dinform Perfor grade no dieb july Anima mathematiffner wany wit Cafor Ruled mentela dub, duffer ur min intour. Collente ifo sons seman Sundana sind sam dir Ish villailand, orly grunniful vigly antland. Eni Entered is all this xx to fram siels. ofin methogshifffor any mis of edilynhour

Agin mit our might wiel if a Linne Vend In sif wingulit spinished. drifter mais more fin mis uniar overtine broughfundans of its vellat mukun min chave, the word Nom Doly das Lagille your growing worth Granda Somme son Aprillal might mingling Gain, du as if Rain Grand Bry The Took into my or of your and hay an Lunais whom. I'm ry myn fo igt own gyr and for ned for and uyn Africa my is Infur whom to mis finisfer dia Ligar nurdrafan fo mendan din Ofrubul lest w box, will 9/2 u/n din Elythings A I and by lingue. Are shif were wie House your the Living Synaway weigh ( onto offetten fin sif wift of mindon frif I'm Lucin Al ad Ost figurated I Took alis dinne offenden fre of whom me of frage on you sain moire m= r fo mindre din Living frif ungs soforandre much on La for much popula in den much mixedner frif miden fifunidans molefot vielal de Donouthfalfung min durymift.

210 13. Ounguidungener dinfur Toilu. Offis buswellen 3 anne der sief muffellfacke Signarder Al w Che marion hand une droth Mel our & mondavist date hif solen meravire a druinin dis Jufur igd myn whit wow In a we sale of whouland blinke view dum on fif is an andlif Thereings. grip mular wyn von m=g joigh gyu I doe Chow it to your Al aprefluction good for ight of you dought my w. In one Organffulm withel Mercuas and weigt due Tinha mo, inf den dum Ministra your men drune mo juit den Lun mill founder fois must mulat in mulyanne Mos Defollan flogo un andrightige a igs my ge and my du myte of if u+n L2 R. yo out u+V L2R V+n 620 2. J. m. judnice A in Summe you I rienen LL 2 R. Afro donun muchas / Lucium muiflan in amoir dant dru ouisogn nigren Lan Rube of list for I so son paralle. To ist dro Luvely mind. nen Cama Linia Ed yngrund din nie Kick men & ville yander = n. ( sinh gulf mynl & n if)

end if Kinh yn four down hafongs if dir linis

y paralell. m nil 2 90 w AM durf de ynffuthm. wo me Det. Ou we N= x if In mind vuif a igneffull hoif his parallile.

No wie X= n, X= W is muil I En Alb vacifying Els worlflag un x4 + 7 = 2 h- yo yind n+ + 4 = 2 ) when du J= m, r=u, y= V In r+y+J= 2 2 20 you n+ + + u = 2 R. to fo villa unava Mukala un A find = 2 h; In X= a+r= n+u, and X= b+5=u+n fo 20 un A dur viit feura L = a unaver din ifen weeky : fil Hub ind dre fangsskife det drum Menny. Lulynrung an yngroue murden kontine. " Lowysfill 3 Poels du Conqueene id 5, men men unt du id It areas & our forman is It would seffen. Bun Rour. Commente of ind in aring Turke In never = in arreas of day vudeva foloft mit søs din affantle das Tackun museums Inkan. Het muf sun L ylnif van vulinganga, for koloft oft du Rufpilnogan das Rakanspielen vind arrevud av folllade ist vebor week omlinguador L vel = ynoplan dout foillan d'in 22a Plubau Une in suit arrevail no ming our vely in 1 R. Juf Spinder ner dullar gif. Luight much and 1.2 many mind briend out Conquert. Shim. 34 in  $\Delta = 2 h$ . vely, jour 2 42 = 2 22 you with dw 32 1 = dam 3: 4, yo holy? John muin anie Barka ind wright 2 14 yland fried, is foul I'm AA congruent. Din 2 uhrigen Congruenzer skieligen sjockar Bout in minen & 2 Michan = Julys Juil der Jung Sun for Al= 150 Jo in t= 13. Vin Sail on longer luforum fir joursmidhour, mail ou viet Geneffiel gut thucky left gribahvirden Vinte ville net un lester. It voll et = 13 Thrie de misstan a deminde hilden in Vante miss of A mil manuel lenguefun de dans a, b, c. ostelo

find I'm It wift you ameunt no gary friedry also min din Freder AC a 150 vilet ming the who. glanif jar je mograbt finf der C= 6 for mondan Dim AA conquent min mon del Qt A mindruft conquent of info A=6 does b= 15 your fr in A= 15. De drinke very Al D cong Ills gaft neft mil Den Congravel wife mois. Infar Sville if in Sultimber mul over fullion & C und This happing Soill" more An Congr. nort mil Anning on value muft we 2 doll. Am undann Aute if wel je din nifun sit den Buykruft. mortelief All dury forwided In 2 love must Ed wolfamily And Avnythu moul fin , vell forlander griffer it e it Ett system ming Days. Jos min Luin Ed Junkhow din du LC me 2 congr: 24 equil!? Dav Ligt nun Groise. with man knin Jolefu Livin Sankbow igt. dus deviner may fault for of ing you Chindre Shunn All mun Wearys Lurin grafun Both Daube if mis win Luin Co bulkind fin dan 2 robes miff. follbuid fin if Intell of its dur winn ignity zur vill dur auch man Sunt of mis mus son Lucia Ed Janking for post for mainfaure of maklimeart, Sourced Round ment wings ning longe vor Linia Cd mo An 2 11 = 1/mil. duf for much gå finguisfun bruge for im grabinen de methappill, and him sig in Empail yndingered aff in Elen Geom:

Aus linds lenguis Main must so ignitiasfurd Qualinent: for fini de A acto mo ai-eb mi of free deliminifum a=6. Mir dab= eba ud Dosc = che for murda = 6. di as dai il ech duck Just would save 1. fall dufur de e, da el ojo Inthere fif In Irvinibu dat un ach mus gir ling x 2 force moust. adus if Aprila adud to sal yo mison a=6 mui eal= 26a md cae= 26c. In driville of e acc nd cdb indow fif burnish doly ? It's ac = 26 der som acc = cell joint adb-act droft dukt monispu mont Aspai mir min bakovall and is main a Touchan = sprind die spinne midg. I Laurel = frist fordulat mille der mingalen für La Grubyin ihr Loly neder Lafropris no Lyng Ant in nimm & ymni 26 ylning for Lungis ist mistly Durgalla min for a A for Moun have very for languistre Isto move to forthird, wine send, nout Early la contrario.

Var At Tolly dur Congre me villa 3 Paclan = find ub igh new weefigh on wifan do a 11 amountour = ind. sind skufort due Fregu Ein Donaterka figisfortante A beloved . Sindaministrathantunia dans mous och AA with, wait L' wirbadoud fine. Tolum with harding Ite Durapure of more quint mare de Tricke my sin univaral durly min Vrugaroungued South Kindel. In: June weglan Carriega if Afil of mind 13 A fluster is to make a Ruft: von kenning of a suffer tolly in me fol velo sund wir vin 2 wills nort go wedartoff mo to flore where works. is mail knine ombrav dock mil smith into Whom koin mift freigner if 6 sin sigher of field In Luis ed for orbir ig? I spile sod dar e oring spile fair. Sur inf doct judy might. murb jo mub uf migo mo tod sloill velyo mo co Localin mind Evidentes if In Do monefored mai be a mulul mountain fall e muif yout & fair? and & " Toly our Congr. Otwo & The agl wind am L yo if no out I feel more dur's ningary portion igs, if das L wife uniquelyly this go is and infaras & World - mine mwllale contingent of opelings As congri fait. de Al- DE, 15=8. Mus lugar die Converde out amondare, no field And I w to we of suif muomonis. To bi= & forming tolong Fe forlland at flooring fif ob Bourge I stville Soulan fin mil judenten for league fin dout in In Dufling 150 in 5 word of will & in & for moura A'Us F augus A. Mis migtun AC= 95 of mingson AC= A5 only mit dind is long ming ling Sur if 42 publis: 82± 20, do is AS AS AG orlys dix Nowlar 9+ ACD = 2 Ruspa mail 462+ ACD = 2 R.

is velen x + 4 wour 6 + & mish uglning 2 à 15 Anefsun spiret so skville & in & mi den Dominite sun congr: Ob Al JAVS drugun mour milp on Rada. Mun Runded ne leucles vandrina Toly skott det fris grundenen. 24 x x x vor 2 6 Moura The anywer har. Gys due Toll or our?

if It I de for anys & Virgar Land friendais

mine & rough wor flungs of mirin an dro versklu 1 in armaike viljo er ok de din garthe de doel DE L &5. de nun 25 = AC nd 29 = 1415 forigh ACY Alo methis vinil C find, vely C+ & ofthe 2 film La R. mel mift ofthist ? Rrefler Or fluid very ornan Enforted mid number withen mis in Down mispreys villy amarine. Nations sufficiel and In Soll It dans In llurare amila yngnindur brigan bow, mais west C+5 Ja angle mondan gif des vinisike Dribt at nun majo Congruencer? a fi dolune jah 1. Inche and I minkal Information of the min for his for hulvery for forta. In min the Kaine Congre water mil den Larry of the Orfice dala you in 21- in the following and golar Golf. (in viunu A min Jula Just or Colin pundou This medejugue lings & vell der, dur dar de The suches: adamnis 46 Apri at A ABC me Alby Al and inf Jought 18 Codmil Alo TAO is belief anthind of of here Al will As velyfuniona, wow there AE muslingunio my pro Andries = Als morefair met in godine doller Svinn in green giful

Ann plunion of AC enigh Als och a/a muys mil Al All in dans for mor the 3th in D for in ACD- ADC Don ADC/ to pring ACD ys Lordon if Al-Alls formets full mides & South vely Eylo. for in 9= 13 velyo & Chit Now IL Acts ofming HOB > Cost Justaffen Tody ist Inv mingrekafort. und mid a contraria d'um inface. New lafta Duly is so die Pirusa Lan Maidure growthere will will it is 3 !. Virgolinguis myndl fit luiff, no no luift und sings Infan it was din figur in no yo from miles. Jul (A15-150) AC Jef Alow unil , a hung we fare of muy Booms Hochyr futher who wis reloning walnie or blenman in well Aly. Atts muchan lnift ngujifugtan sun 5=9 ser much Ag = & A. md a+10 22 th for ye a Ld vely AD LAUS Longth ful Mel owing AC wift willborry my wint ist dar Doly ofna villat arming in Bow At in & Haile afficient open dream ry vill att das unbullengunde Line. If fuelle due fruits: ou ADIS nin souther so fo igt Als Jofd about for OSC YDC. Now furnwell igh & Den Backbourfla humino hollan dalie. Wenne ming selfo much fing Imo dra Living hollow manys. The Riell inour

marifielle dub yelfur L muil vous alt may veto Q ample him A vint minefrom, ist to you and wind Rollon lever if unind on forth dat sjilne L som in orbar Att villain A Le 15 Alle ofun Jum Als & Cot for four views in livin Al so in 2 Aprils for for when the wind strain of the day of the state of the strain of the sound of the strain of the sound of the strain of the A 190 agouisty vely fin huin All we it in your flames endraft grily Odne provid. - over ina kommen Linin duran Jamelle olle nan ninne ylunga ait authorit of if. Mult is vely nine bulinding informitgulle driven im din Rugal nine francis a thering belign their? - It's in and unas define you damaying friell for fill draft Edwarding miff in die Mutable mail dort die Aprillighted mid mobiling igt in strunging Shulat um dia denya one Lines to to rie no ven minera muchou Orka On our pariblinia meturffunded now Center L In Verifice -Jur lenter Lift day gull Inice Conflet = min hayre = lenger wile ifunder Samuel dus unglu fall your Cim Huckel bruses. of influence. In be fall information Cite no following Aprilal lenes outers our the fall sougheld out The I hall day all man I amithufold this

New 8th Luce Worth wait for wait fafair of der wife. down Forhe Ald a nivel Jethod our ACE = 2 Alto and ECD = 1869. Born fo 5/5200 = ACD Judget Luford Sommund Sp judar Cerepherie L weigh drive d'antifrancy Per e minum manifement ist. Grumandugun. for in your im ponish yould a lengthene 124, only in A smoot L DOW und Camvel 1 2013 In nun A+ E 2 more L Delb + Dolb for find from a well Claimer with & Rrift of = 2 Ringfan. Mon Jangenden und Lufnen The wife ways were much and fully divine would min norventafillan It muts with sundwrifts gun Rad. lings fifow in driv Rayright De Rein Jungalow is and odle intorigne Judy to ford things with drive Rayright of Rein Jungalow and order in bright in Single with the Rapherie. Office prougher well for hum Trifle in I'm good Livin bright with the Rapherie and hadries in famine fudginkly in i'm Propherie and hadries in famine fudginkly in i'm Propherie and hadries in famine fudginkly in i'm Propherie and answerld in the hour france of miner for miner of the said one Reightenie your had had been moving and move of the said of the sai in laxy of Intan norling not much museful ist de it flet. Dan moins um brudaner f. X. Jo his mar CX vell by whenele Touch der Radrus velet ifn furgriebt vie Burdar Horishenie. Andre Livin die in dreb finde It Radiul weef fruk. Istoills firiff din limphenie muf missoull. din Din indov oralifus Rusking his vine din kning grown morey for kills fin dry nutry word links girls musty bo do Radius, and if more vely very fine man niger ganderuster your Centrum lovelin House. I'm Dury ffult for 2, 10 mind midne foild day & I in whole Insprof ould die which only In Ranghavia must winwed Applacand. - file follow Living file. Values - 26 for and on the ding day to the 18 of = 36 for the transfer of the 18 the 10 maple 10 20 AFM + A BJ= 1 Ruf= C BJ velyo &= ABC= 8

Loughvila der Sminds for mind to a weet ming you duforen from from In juda your lineya digner luis of fing dreaty Dingonalen ming Irmands hednorten 1 Dolt. Aprild must nen A dang mine paralelle no 2 Dominito for halan den Gowlanken von meddigen. Jundan Milan munimers Igland. Ich Alb \_ 126 - 200 Notgin at our moul by very must be very the at my distributed of the belleville day of the belleville day for all and by the belleville day full and the belleville day for the belleville day of the bellevil In taile be on Spainty In long duent find minds Oran wine windown Tolly in humainfund No michtains Ist performation ) for of the Ms in gots my worl from Luis me Moment I your themwould find knin stand It a draylar if most from the nd in BA newel when days weight grown inf new draff Al So of viel VSC in Volem wo milge in more origh. No went din Gradientes one Various dury Artunga fran Ljula vent garrindt manden, for mind m = m me m zier knefnis lost ud myne furful Before, with the mit X | X = nit X | Xdough die furfutur nurffridan furt Afrit niff dans 26 ins bx = & bol pokent mon our grapfendan fuglish out onen browinger It of soit dary the in my think Just & the granaften bur subjult Gurlient In Just July & mundraidiona loubl.

fin Maruel you a faaren parellen Turban in Tarelegny of Tolly. afanalelagrame you = gofur is grunderum spired whous = Larguis A must vark Exfortlan four minder his Luff with young to much ACED know 4 with sebus A with it I. I. want Eurlie 2) Toly & drawith find = man you ylong fight and agrindlemen Mostly win A if amino parally in fieldly man no sund Omnibellian - Life in amuidenin fort. Europeis das 2. Valoro. - Morn druber fif 2 sommely De franciffings. beloat went ofen so Panalet hum inf very In fiard = Jud me days den 22 you Lillean Tried Involute Toll and from fuglais. Inwered authoritals pif In Bythagonery to July significe fort our about outhing free much of mintul oil muft arboriet fore never you man Vola, male danginge linghard, much ochar knimu Milan foil. vait nogle beim Studenin in win System, but I've doifing Daid wee Ince phowan velent oughouter, in drafallow Todas Sur Brufun new dan kefandrer, das fudgint igt und den Gobbfuid, komis legit hoomispen, Jandene orlas unbunniarindar all myselfs muit vorminel arblicken Inoportionalitant is of winfun Gmai Anspulla in amnolai komtun (Ljufa odo Bade)
Joekon is groufuelan siif you kleifun min dra Lenguis at jui duin de viu is des Grudenin you Am well on Das Grundlung sen Bon meel ands; in or Romais ary rules that vrng. Tougs ignessur Druck flies paralely rame

Gymni bulings (Buffenken, garforldun fry non dra Produite wind Enang with down Jofan. Royda Grudlinin mullian mis dury num fragall ungton, about for bayou Lyfe about I lingor Jufucedin ar fold of num went grand a, b vul Loper of a west just p. g. for full & - ab much ful may much grant more wing skal paral might mug Endurfrigs. vell velleg : burgingne suce vilene Grifaus mente Dinda gen 2 minsfrudenne Elemenken profitungen And men 9, 6, 2 ungalu-1 und mings den nogden Burkenle durf Durkun de: quadrat down upon if = ac = 1p = ac I for Juspill amunt Canaleleagnerms igs = Same Onadulte de gofs dung den lyvindenin druge bed in languisfur you dus yang of lafer a fur dan ywogny of son my busine mind fin dan forth of den Tarka & Dolwerger a in Som Ruffanke Thompsofon Ray? oning. ymlack ist, for luctone fif downers willy of parties and willy of property with the property buyling Luda dus Hanimetrii is so lugurdes 2.

